

HITACHI

Instructions for use **GB**

22LD4200



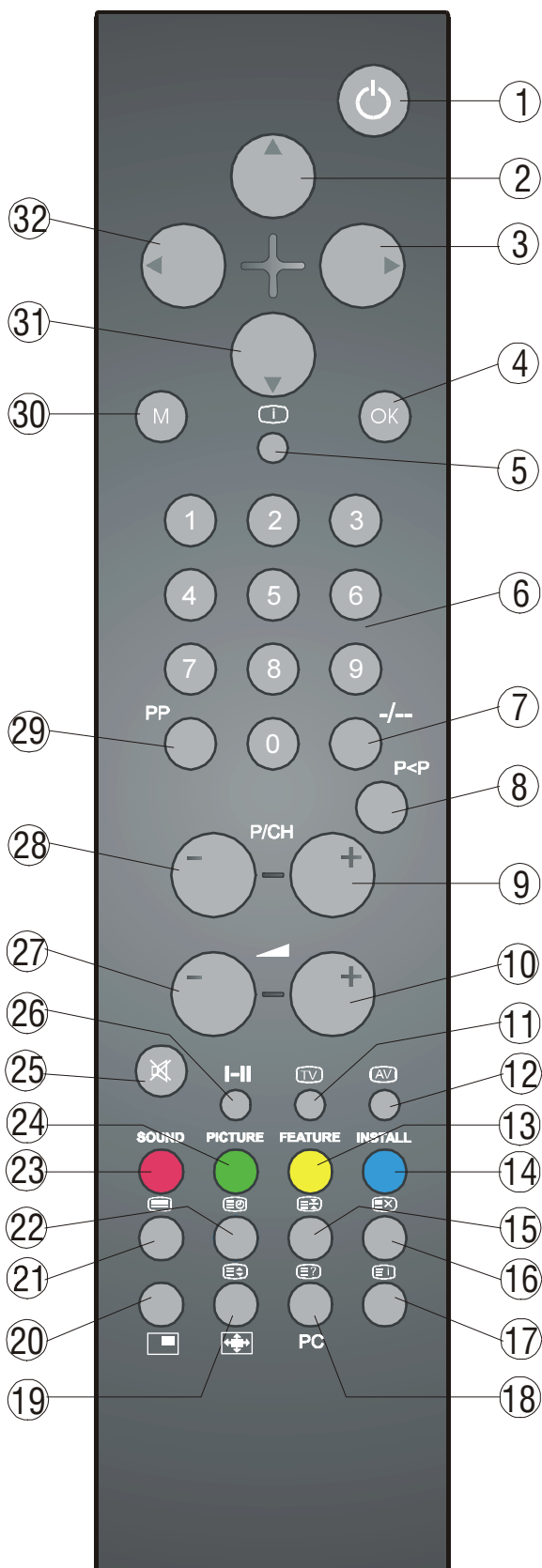
HITACHI

Contents

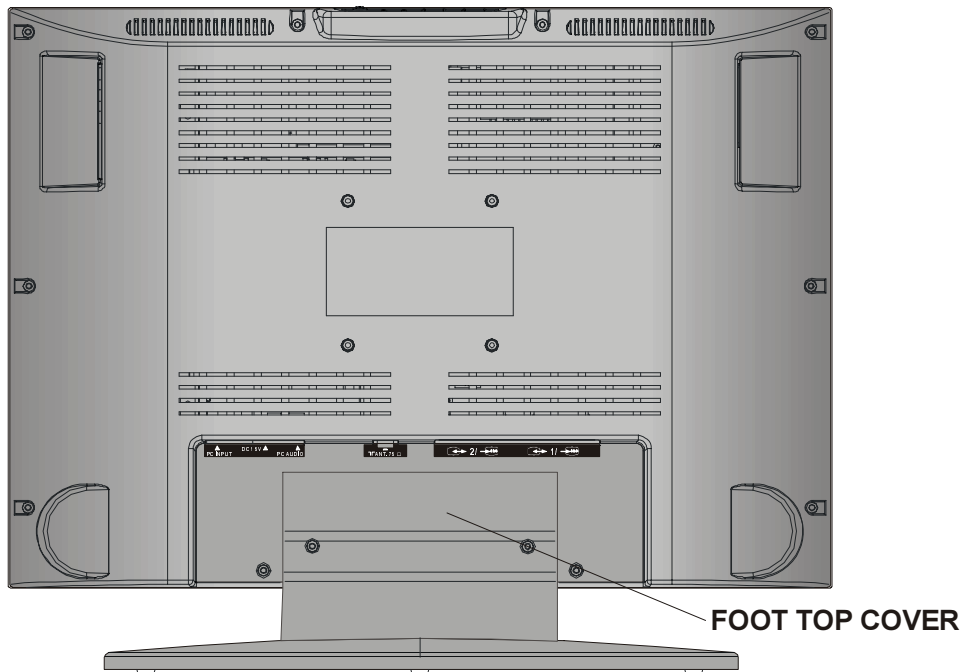
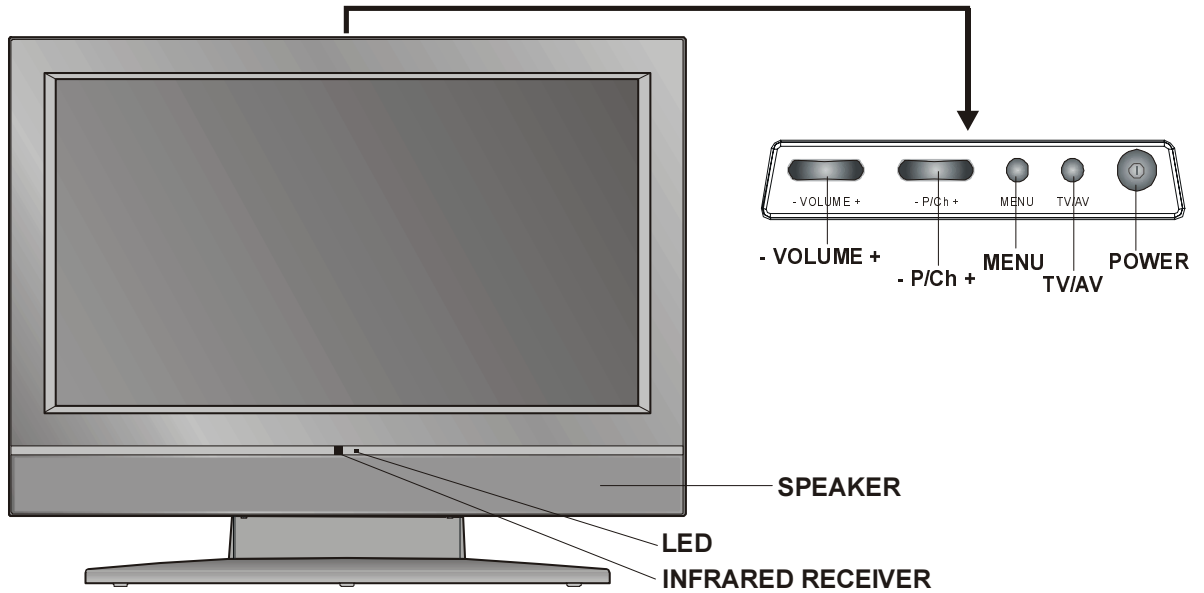
Remote Control Buttons	2	PC MODE	21
Control Panel Buttons	3	Installation	21
Preparation	4	Switching from TV to PC	21
Installation of device on the wall		Main Menu in PC mode:	21
(Optional)	4	Sound Menu	21
Features	6	Picture Menu	21
Panel Features	6	PIP Picture	21
Safety Precautions	6	Feature Menu	22
Before Switching on your TV	8	Geometry Menu	22
Power connection	8	Source Menu	22
Connections to the Aerial socket	8	PIP Source Menu	23
How to connect other devices	8	Teletext	23
Inserting batteries in the remote		To operate Teletext	23
control handset	8	To select a page of Teletext	23
Switching the TV ON/OFF	8	To Select Index Page	23
To switch the TV on:	8	To Select Double Height Text	23
To switch the TV off:	9	To Reveal "concealed" Information	23
Operating the TV	9	To Stop Automatic Page Change	24
A.P.S. (Automatic Programming		To Select a Subpage	24
System)	9	Fastext	24
Operating with the buttons on the		To exit Teletext	24
TV set	9	To Display the Time	24
Operating with Remote Control	9	Peripheral Equipment Connections	24
Menu System	10	PC Sound Connection	24
Sound Menu	11	Via the Euroconnector	25
Picture Menu	13	Via Aerial Input	25
Feature Menu	15	Decoder	25
Installation Menu	16	TV and Video Recorder	25
Programme Menu	17	Playback NTSC	25
Source Menu	18	Search for and store the test signal	
Other Features	19	of the video recorder	25
TV Status	19	Camera and Camcorder	26
Programme Swap (P<P)	19	Connect the decoder to the video	
Double-digit (- / -)	19	recorder	26
Personal Preferences (PP)	19	Connecting Headphones	26
Sound Indicator	19	Connecting the PC	26
Picture Mode	20	AERIAL Connections	28
Sleep Timer Indicator	20	PC INPUT TYPICAL DISPLAY MODES ...	29
Mute Indicator	20	Tips	30
No-Signal Detection (TV)	20	Specifications	31
No-Signal Detection (PC)	20	Important Instruction	32
Volume Bar	20		
AV Modes	20		
Signal Out Of Range	21		

Remote Control Buttons

- ① = Stand By
- ② = Cursor Up
- ③ = Cursor Right
- ④ **OK** = **Store**
- ⑤ = Info (Program Menu)
- ⑥ **0 - 9** = Direct Program
- ⑦ **-/--** = Double Digit
- ⑧ **P<P** = Previous Programme
- ⑨ **P/CH +** = Programme Up
- ⑩ = Volume +
- ⑪ = TV / Quit Menu
- ⑫ = External Source
(AV-1, AV-2, AV-3, S-VIDEO, PC)
- ⑬ **Yellow (FEATURE)** = Feature Menu
- ⑭ **Blue (INSTALL)** = Installation Menu
- ⑮ = Hold
- ⑯ = **Update**
- ⑰ = Index Page
- ⑱ = Reveal, **PC** = Switch from TV to PC
- ⑲ = Expand, = Aspect ratio
- ⑳ = PIP on / PIP off
- ㉑ = Teletext
- ㉒ = Time
- ㉓ **Red (SOUND)** = Sound Menu
- ㉔ **Green (PICTURE)** = Picture Menu
- ㉕ = Mute
- ㉖ **I-II** = Mono/Stereo - Dual I-II
- ㉗ = Volume -
- ㉘ **- P/CH** = Programme Down
- ㉙ **PP** = Personal Preference
- ㉚ **M** = Menu
- ㉛ = Cursor Down
- ㉜ = Cursor Left



Control Panel Buttons

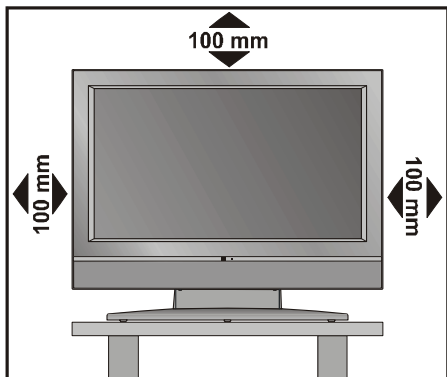


Preparation

Install Display on solid horizontal surface such as a table or desk.

For ventilation, leave a space of at least 10 cm free all around the set. To prevent any fault and unsafe situations, please do not place any objects on top of the set.

Use this apparatus in tropical and/or moderate climates.



Installation of device on the wall (Optional)

Step1:

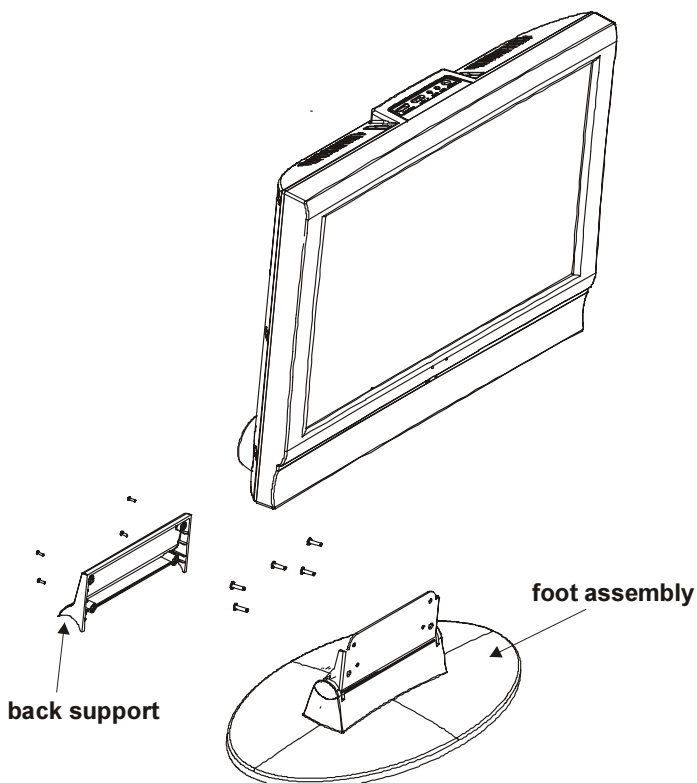
Invert the flat monitor screen and placed it on a flat surface. Remove the foot top cover. Remove the back support from the screen. Replace the support with the mounting bracket align the holes from the bracket with the mounting holes found on the back of the monitor chassis. Secure the bracket with the same four (4) 4 (mm) head screws.

Step 2:

Choose the wall where the monitor would be located. Level and mark with a pencil the four (4) mounting points found on the wall bracket. Drill pilot holes for the plastic anchors then secure the wall bracket with the four (4) **L=32 mm x D=5 mm** screws (supplied).

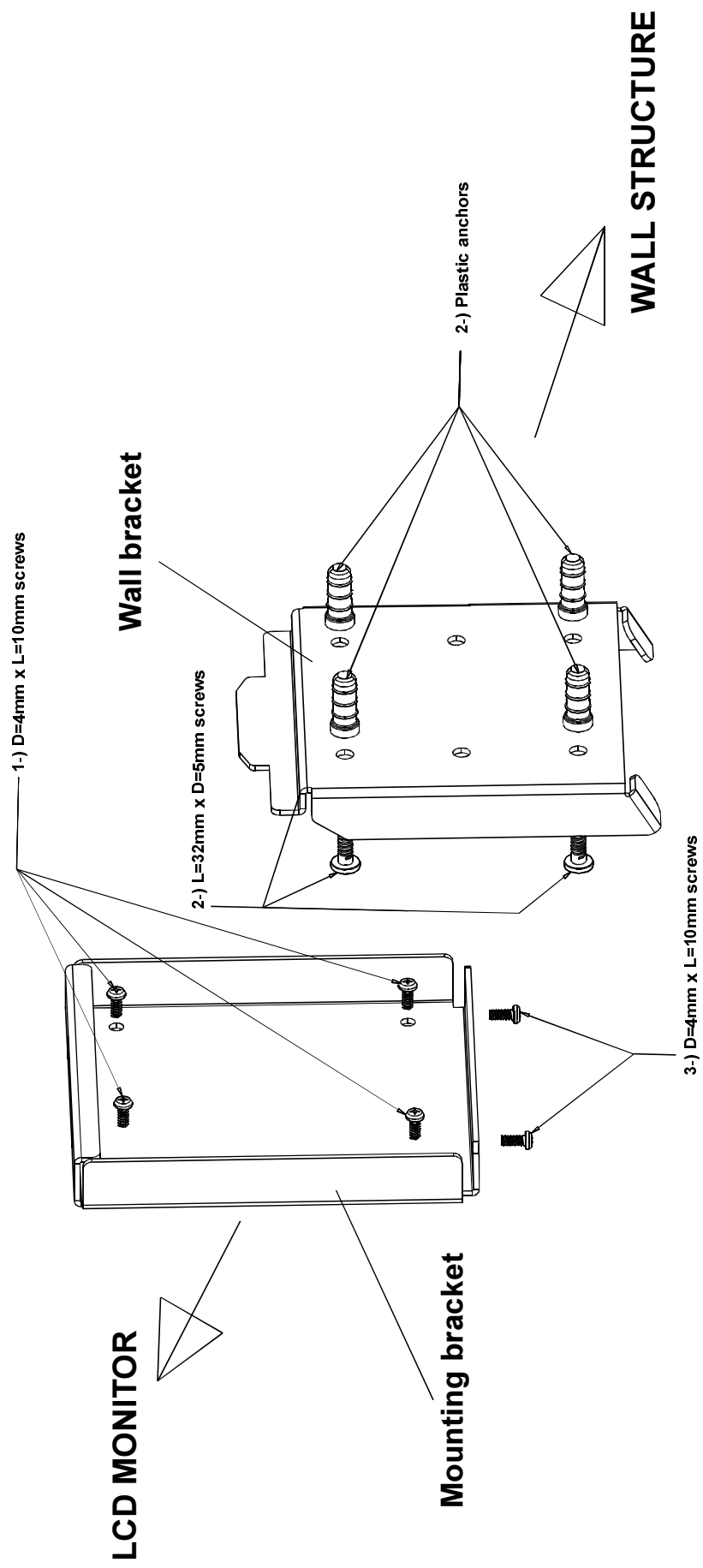
Step 3:

Raise the monitor with the mounting bracket attached and slip the top opening to the safety flange on the secured wall bracket. Let the monitor fall in place safely and secure the two (2) **D=4 mm x L=10 mm** safety screws (supplied) with a long screw-driver for additional security.



Note: Do not over tighten!

(OPTIONAL)



Features

- It is a remote controlled colour television and PC monitor.
- 100 programmes from VHF, UHF bands or cable channels can be preset.
- It can tune cable channels.
- Controlling the TV is very easy by its menu driven system.
- It has 2 pieces of Euroconnector socket for external devices (such as video, video games, audio set, etc.)
- To use as a monitor, 15 Pin Mini D-Sub connector for computer.
- **A2 German stereo and Nicam stereo systems.**
- Multilanguage OSD.
- Teletext (Fastext, 7 pages).
- It is possible to connect headphone.
- A.P.S. (Automatic programming system)
- All programmes can be named.
- **Programme swapping between last two programmes watched**
- Forward or backward automatic tuning.
- Sleep timer.
- Child lock
- **Auto, 4:3, 16:9, Cinema, Subtitle, Zoom and Panorama modes are available at TV and AV.**
- **Auto, 4:3 and 16:9 modes are available at PC.**
- **WSS is available with Auto, 4:3, 16:9 and Cinema modes.**
- Automatic sound mute when no transmission.
- When no valid signal is detected, after 5 minutes the TV switches itself automatically to stand-by mode.
- NTSC Playback.
- Universal power supply range is a standard feature on this model.
- TV Picture in PC (if PC input available).
- **TV Picture and PC**

- PLL (Channel Search)
- **PC input (Support Up to WXGA 1280 x 720)**
- **Stereo PC Audio Input**
- **Plug & Play for Windows 9X, ME, 2000, XP**
- **4H Comb filter**

Panel Features

- High resolution, **22-inch** TFT LCD display.
- High contrast ratio (500:1 Typical)
- Brightness: 450 cd/m².
- High-speed response time : **23 msec.**
- Wide viewing angle (typical) **170°** (horizontal) and **170°** (vertical).
- 8-bit colour depth, display **16.7 million** colours.

Safety Precautions

1. Power Source

The TV set is designed to operate on **15 V DC**. The adaptor should be operated from a **100-240V AC, 50-60 Hz.** outlet. Ensure you select the correct voltage setting for your convenience.

2. Power Cord

The power supply cord should be placed so that it is not likely to be walked on or pinched by items placed upon them or against it. Pay particular attention to cord where it enters the plug, power outlet, and the point where it exits from the receiver.

3. Moisture and Water

Do not use this equipment in a humid and damp place (avoid the bathroom, the sink in the kitchen, and near the washing machine). Do not expose this equipment to rain or water, as this may be dangerous and do not place objects filled with liquids on.

4. Cleaning

Before cleaning, unplug the adaptor from the main supply, outlet. Do not use liquid or aerosol cleaners. Use soft and dry cloth.

5. Ventilation

The slots and openings on the receiver are intended for ventilation and to ensure reliable operation. To prevent overheating, these openings must not be blocked or covered in anyway.

6. Lightning

In case of storm and lightning or when going on holiday, disconnect the power cord from the wall outlet.

7. Replacement Part

When replacement parts are required, be sure the service technician has used replacement parts which are specified by the manufacturer or have the same specifications as the original one. Unauthorised substitutions may result in fire, electrical shock, or other hazards.

8. Servicing

Please refer all servicing to qualified personnel. Do not remove cover as this may result in electric shock.

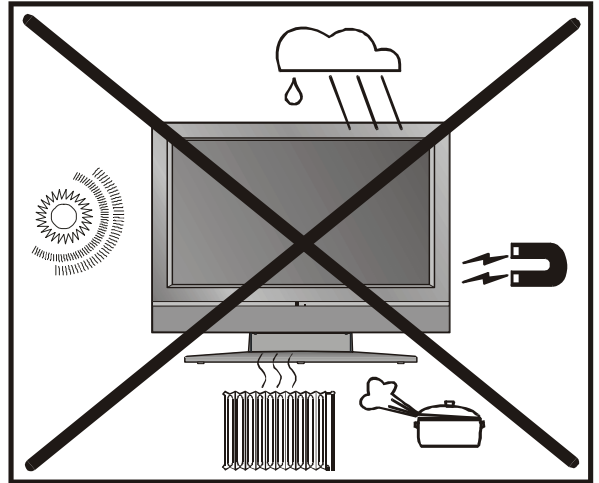
9. Naked Flame Sources

Do not place naked flame sources on the apparatus.

WARNING: *When the device is not in use for a long time, disconnect from power.*

Instructions for waste disposal:

- *Packaging and packaging aids are recyclable and should principally be recycled. Packaging materials, such as foil bag, must be kept away from children.*
- *Battery, including those which is heavy metal-free, should not be disposed of with household waste. Please dispose of used battery in an environmentally sound manner. Find out about the legal regulations which apply in your area.*
- *Cold cathode fluorescent lamp in LCD PANEL contains a small amount of mercury, please follow local ordinances or regulations for disposal.*

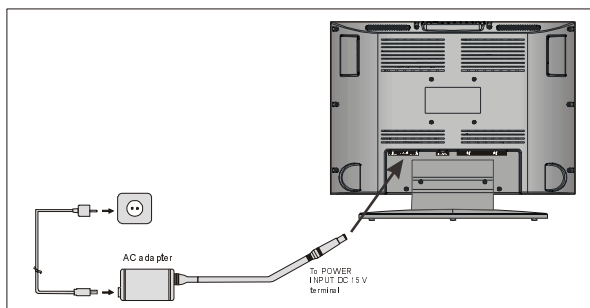


“DO NOT LEAVE YOUR TV AT STAND-BY OR OPERATING WHEN YOU LEAVE YOUR HOUSE”

"The LCD panel is very high technology product with about a million thin film transistors, giving you fine picture details. Occasionally, a few non-active pixels may appear on the screen as a fixed point of blue, green or red. Please note that this does not affect the performance of your product."

Before Switching on your TV

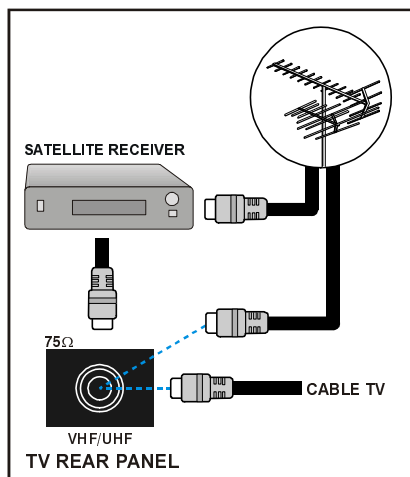
Power connection



IMPORTANT: The TV set is designed to operate on **15 V DC**. For this, an adaptor is used which gives **15V DC** voltage. Connect this adaptor to a system that supplies 100-240V AC, 50-60 Hz.

- After unpacking, allow the TV set to reach the ambient room temperature before you connect the set to the mains.

Connections to the Aerial socket



- Connect the aerial or cable TV plug to the aerial socket on the back of the TV. If you are also connecting a video recorder or satellite receiver you should connect the aerial or cable plug to this device first and then connect the RF out socket on the device to the aerial socket on the TV (see P27 for more details).

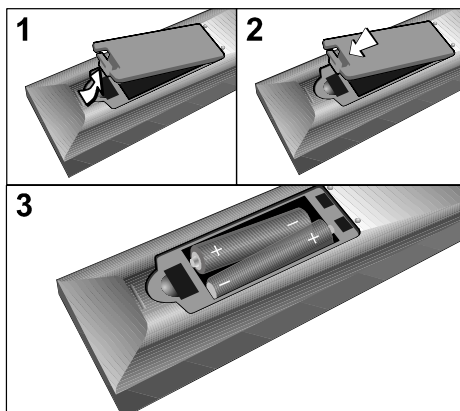
How to connect other devices

IMPORTANT: Switch off the TV before connecting any external device.

Sockets for external connections are at the back of the TV. For connection of other devices via Euroconnector refer to the manuals of the related devices.

Inserting batteries in the remote control handset

- Remove the battery cover located on the back of the handset by gently pulling upwards from the indicated part.
- Insert two AAA (R03) or equivalent type of batteries inside.
- Replace the battery cover.



NOTE: Remove battery from remote control handset when it is not to be used for a long period. Otherwise it can be damaged due to any leakage of battery.

Switching the TV ON/OFF

To switch the TV on:

Your TV will switch on in two steps:

- 1- Connect the power supply cord to the system. Press the **"POWER"** button at the top of the TV. Then the TV switches itself to stand-by mode and the led becomes red located on the front of the TV.
- 2- To switch on the TV from stand-by mode either:

Press a digit button on the remote control so that a programme number is selected, or,

Press **"-P/Ch"** or **"P/Ch+"** button at the top of the TV or press **"-P/CH"** or **"P/CH+"** button

on the remote control, so that last switched off programme is selected.

In either case the TV will switch on and the led becomes green.

To switch the TV off:

- Press the “stand-by” button on the remote control, so the TV will switch to stand-by mode and the **GREEN LED** will become **RED**,

or,

Press the “**POWER**” button located on the top of the TV, so the TV will switch off and the **GREEN LED** will turn off.

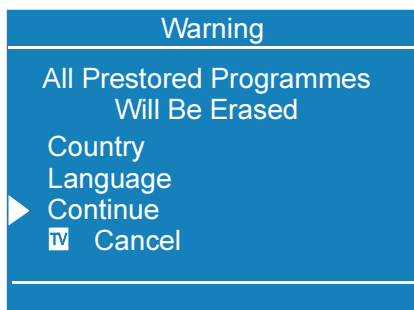
Operating the TV

You can operate your TV both using the remote control handset and onset buttons.

A.P.S. (Automatic Programming System)

"All Prestored Programmes Will Be Erased" message will be displayed when you turn on your TV for the first time. APS, searches and sorts all channels and stores them automatically on your TV, according to the transmission of programme systems in your area.

To cancel APS before starting, press “**TV**” button. First of all choose the “**Country**”. This, will effect the sort process in APS. By pressing the “**△**” or “**▽**” button, come to the “**Language**” item and select the language in which the menus of the TV will appear. As soon as you change the language, the menu items will be displayed in the selected language. To select “**Continue**” use “**△**” or “**▽**” button and press “**<**” or “**>**” button.



A.P.S. Is Running
Please Wait

After APS is finalized, a programme list will **appear** on the screen. In the programme list you will see the programme numbers and names assigned to the programmes.

If you press the “**TV**” button at any time while the A.P.S. is running, the A.P.S. will be ended. Then, the program list on the screen will show channels captured until this time.

If you do not accept the locations and / or the programme names of programmes, you can change them in Programme menu.

Operating with the buttons on the TV set

Volume setting and programme selection can be made by using the buttons at the control panel on the top of the TV.

Volume Setting

- Press “**- VOLUME**” button to decrease volume or “**VOLUME +**” button to increase volume, so a volume level scale (slider) will be displayed at the middle of the bottom on the screen.

Programme Selecting

- Press “**P/Ch +**” button to select the next programme or “**- P/Ch**” button to select the previous programme.

Entering Main Menu

- Press “**M**” button to enter Main menu. In the Main menu select submenu using “**- P/Ch**” or “**P/Ch +**” button and enter the submenu using “**- VOLUME**” or “**VOLUME +**” button. To learn the usage of the menus, refer to the Menu System section.

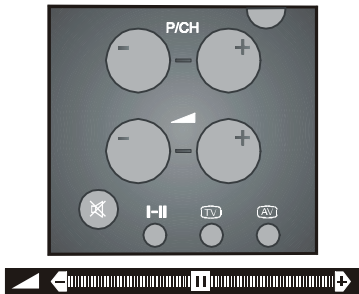
Operating with Remote Control

The remote control handset of your TV is designed to control all the functions of the model you selected. The functions will be described in accordance with the menu system of your TV.

Functions of the menu system are described in Menu System section.

Volume Setting

Press “▲ +” button to increase volume.
Press “- ▼” button to decrease volume. A volume level scale (slider) will be displayed at the middle of the bottom on the screen.



Programme Selecting

(Previous or next programme)

- Press “-P/CH” button to select the previous programme.
- Press “P/CH+” button to select the next programme.

Programme Selecting (direct access):

Press digit buttons on the remote control handset to select programmes between 0 and 9. TV will switch to the selected programme. To select programmes between 10 - 99, you must use the double digit button “- / -”.

P - - this OSD is displayed at the left hand upper on the screen.

Press the digit buttons consecutively for the channel you wish to select. (eg for programme 27, first press 2 then 7). If you do not press the second digit within 3 secs of pressing the first, the display will disappear.

Press directly the programme number to reselect single digit programmes.

Programme Swapping

- Press “P<P” (programme swap) button to select the last selected programme. This button provides swapping between last two selected programmes. For example, select programme 8, then select programme 2. Now, if you press “P<P” button, programme 8 will be selected. If you press the same

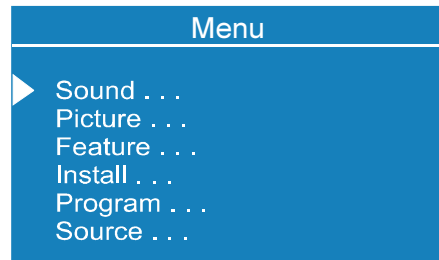
button again, programme 2 will be selected and so on.



Menu System

Your TV has been designed with a menu system to provide an easy manipulation of a multi-function system. The TV is controlled by choosing the commands, which are displayed on the screen.

Press the “M” button. The main menu will be displayed at the middle of the screen.



To select a sub-menu use “△” or “▽” button, and press “◀” or “▶” button or directly press “OK” button.

MAIN MENU

The menu system is described below.

The short way in order to enter the menus, press :

"M" Button,	Main Menu.
Red Button,	Sound Menu.
Green Button,	Picture Menu.
Yellow Button,	Feature Menu.
Blue Button,	Install Menu.
"i" Button,	Programme Menu in TV mode or,
	Source Menu In AV mode

Menu button has two functions; first is opening or closing the main menu, and the second is closing the sub-menu and then opening its parent menu.

Sound Menu

To change sound settings

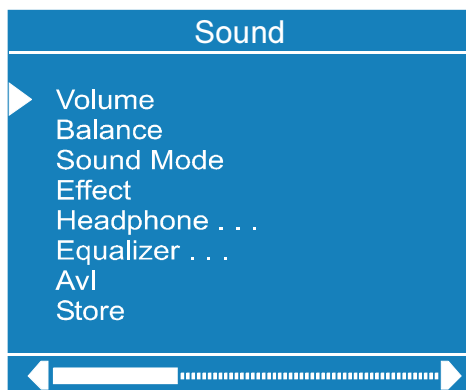
- Enter the Sound Menu directly by pressing the Red button or,
- As you enter the main menu, sound will be the first item. In the main menu, select **Sound** using “△” or “▽” button, then enter the sound menu pressing “◀”, “▶” or “OK” button.

Setting Volume:

As you enter the sound menu, Volume will be the first selected option.

- Press “▶” button to increase volume.
- Press “◀” button to decrease volume.

Or you can directly change the volume settings using “▲ +” (to increase) or “- ▼” (to decrease) button.

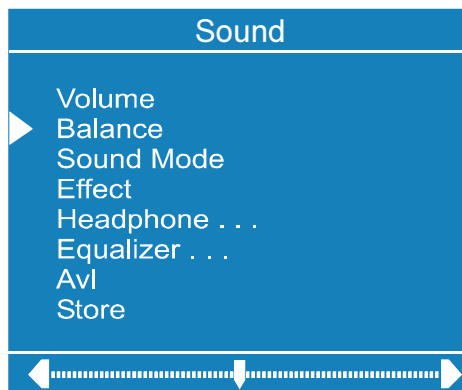


Setting Balance

It allows adjusting the distribution between the left and right speakers.

- Using “△” or “▽” button select Balance.
- Press “▶” button to change balance **to the right**.
- Press “◀” button to change balance **to the left**.

When balance control is in mid position, the cursor is displayed with one arrow.

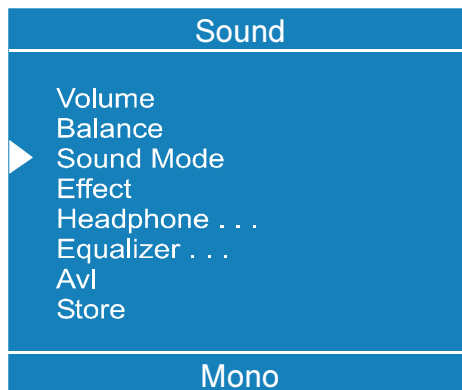


Selecting Sound Mode

- Using “△” or “▽” button select **Sound Mode**.
- Press “◀” or “▶” button to change **Sound Mode**.

You can choose **Mono**, **Stereo** or **Dual (I-II)** mode, only if the selected channel supports that mode.

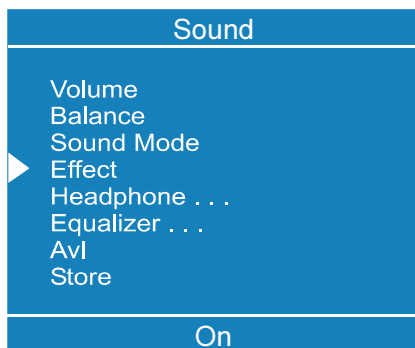
You can also change sound mode directly pressing “I-II” button on your remote control.



In case of bilingual broadcast (Dual Sound), you can select original or dubbed language using mode option.

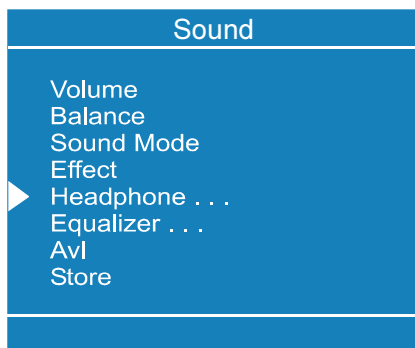
Setting Effect

You can use this feature to switch the sound effect on and off. Pressing “◀” or “▶” button will turn on and off this feature. If the current sound system is **Mono** and the sound effect is set **ON**, then the sound will be heard as if it is **Stereo**. If the current sound system is **Stereo**, switching this effect on will **give a more spatial sound**.



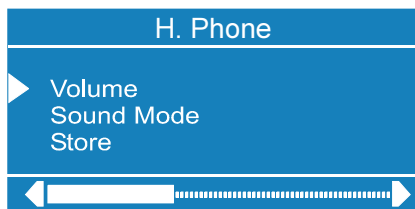
To Change Headphone Sound Settings

- Using “△” or “▽” button select Headphone.
- Press “◀” or “▶” button or directly press “OK” button on **Headphone**, to enter the Headphone menu. This is a sub-menu of Sound menu, and all options in this menu are working as the same in the Sound menu.



Setting Headphone Volume

- As you enter the Headphone sound menu, Volume will be the first selected option.
- Press “▶” button to increase volume.
- Press “◀” button to decrease volume.



Setting Headphone Sound Mode

- Using “△” or “▽” button select Mode.

Pressing “◀” or “▶” button will change the current sound mode. (e.g.: If the current

sound mode is stereo, it will be stereo or visa versa).

In case of bilingual broadcast, you can select original or dubbed language again using mode menu. So when somebody listens to the original language from the loudspeakers, somebody else can listen to the dubbed language from headphone.

To Store the Settings

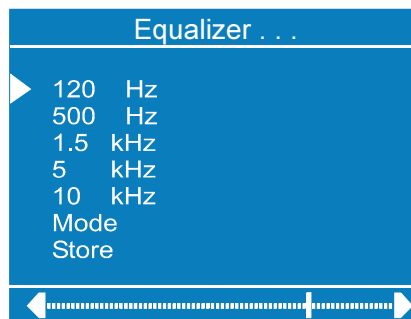
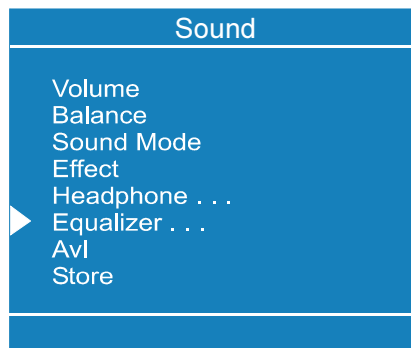
- Press “OK” button on the remote control to store the settings directly.

or,

- Using “△” or “▽” button select Store. Press “◀”, “▶” or “OK” button to store current headphone volume and sound mode. The stored values will be valid for all the programmes.

Equalizer

- Using “△” or “▽” button select Equalizer.
- Press “◀” or “▶” button or directly press “OK” button to enter Equalizer sub-menu.



In Mode item there are five predefined and one user defined options. These are User, Classic, Jazz, Rock, Pop and Flat. The predefined options can not be changed by the

user. If you want to change one of the frequency values of the predefined options, the Mode must be switched to User option.

The 5 items below the Mode are available to adjust the sound settings in 5 frequency values: 120 Hz, 500 Hz, 1.5 kHz, 5 kHz and 10 kHz. To change the values of 5 frequency options, select one of the options by “△” or “▽” button, and then press “▷” to increase the value, or “◁” to decrease the value. In mid position, cursor is displayed with one arrow.

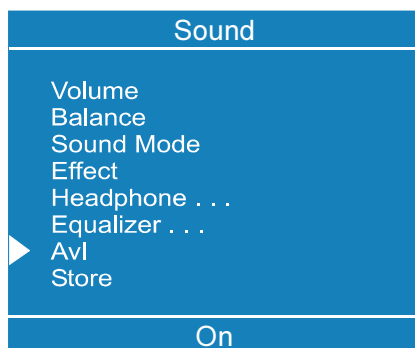
To store the Equalizer settings, press “◁” or “▷” button or directly press “OK” button on “Store” option.

The settings will be stored and you can recall them by selecting "USER" in the MODE item.

Setting AVL

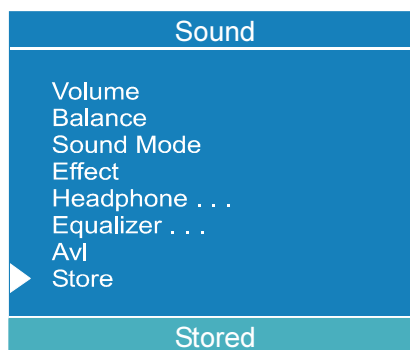
- Using “△” or “▽” button select AVL.
- Pressing “◁” or “▷” button will turn on and off this feature.

Automatic Volume Limiting (Avl) function normalises sound to obtain fixed output level between programmes, having different sound levels.



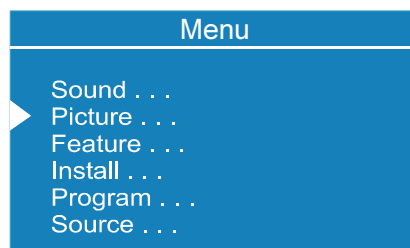
To Store the Settings

- When the cursor is on any item which has no sub-menu press “OK” button on the remote control to store the settings directly.
- or,
- Press “◁”, “▷” or “OK” button on “Store” option to store Sound menu settings.



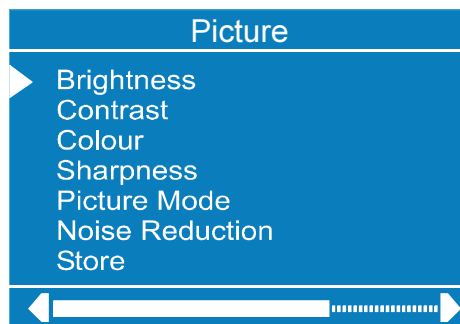
Picture Menu

- To enter the Picture menu directly, press the Green button, or
- Press "M" button, now you are in main menu. In the Main menu, select “Picture” using “△” or “▽” button, then enter the Picture menu pressing “◁” / “▷” or “OK” button.



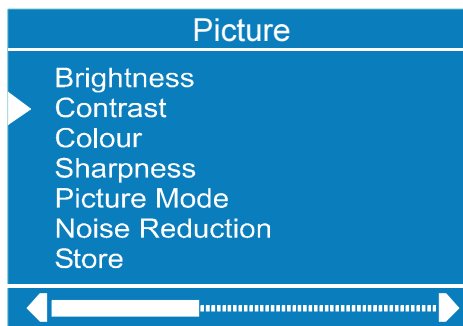
Setting Brightness

- As you enter the picture menu, Brightness will be the first item.
- Press “▷” button to increase brightness.
- Press “◁” button to decrease brightness.



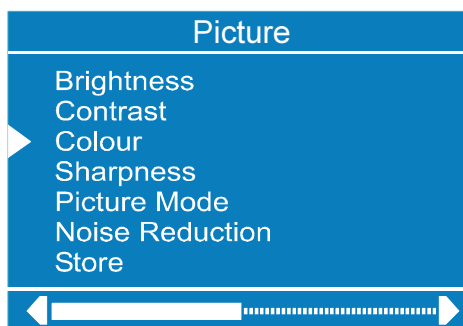
Setting Contrast

- Using “△” or “▽” button select Contrast.
- Press “▷” button to increase contrast level.
- Press “◁” button to decrease contrast level.



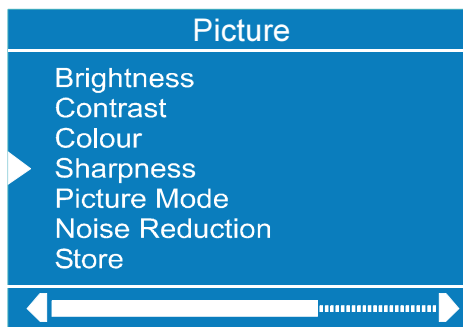
Setting Colour

- Using “△” or “▽” button select Colour.
- Press “▷” button to increase colour level.
- Press “◁” button to decrease colour level.



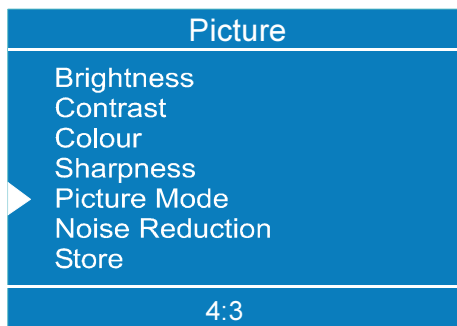
Setting Sharpness

- Using “△” or “▽” button select Sharpness.
- Press “▷” button to increase peaking level.
- Press “◁” button to decrease peaking level.



Setting Picture Mode:

- Using “△” or “▽” button select Picture Mode.
- Press “◁” or “▷” button to set Picture Mode. Picture Mode can be set to **Auto**, **4:3**, **16:9**, **Cinema**, **Subtitle**, **Zoom** or **Panorama**.



Setting Noise Reduction

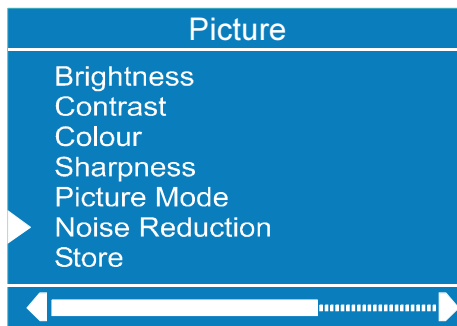
- Using “△” or “▽” button select Noise Reduction.
- Press “◁” or “▷” button to select Noise Reduction level “Off” or “Minimum” or “Medium” or “Maximum” then select “store” and press “◁” or “▷” button to save your setting.

Note 1:

At low signal level, the changings on the Noise Reduction function are not effective when there is menu on the screen. If the menu is removed, the effect of this function is seen. At normal broadcasting, Noise Reduction changings are effective at once.

Note 2:

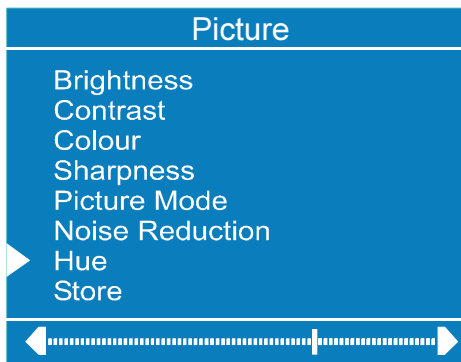
At moving pictures, while Noise Reduction is at maximum level, some picture distortions may occur. If Noise Reduction is set to medium or minimum, the picture will improve.



Setting Hue

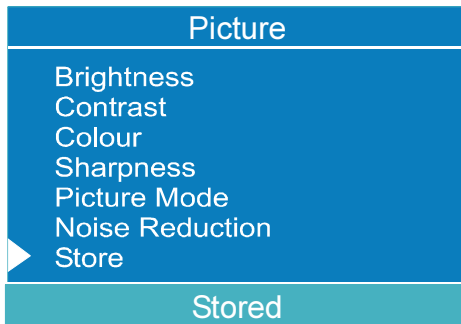
(During Playback NTSC system, this will appear in AV mode only when NTSC video source is applied. Otherwise, HUE option is invisible in Picture menu.):

- Using “△” or “▽” button select Hue.
- Press “▷” button to increase hue level.
- Press “◁” button to decrease hue level. Center value is indicated with one arrow.



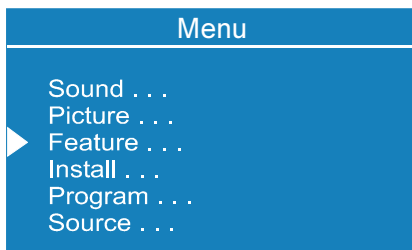
To Store the Settings

- When the cursor is on any item which has no sub-menu press **“OK”** button on the remote control to store the settings directly.
- or,
- Press **“◀”**, **“▶”** or **“OK”** button on **Store** option to store Picture menu settings.



Feature Menu

- To enter the Feature menu directly, press the Yellow button, or
- Press **“M”** button, now you are in main menu. In the main menu, select **Feature** using **“△”** or **“▽”** button. Then enter the Feature menu pressing **“◀”** / **“▶”** or **“OK”** button.

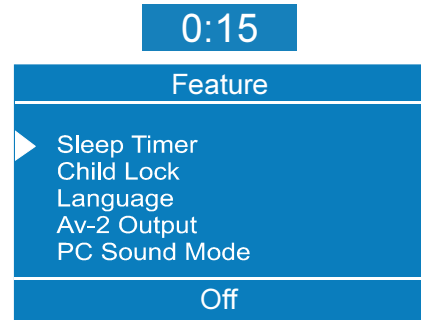


Sleep Timer

As you enter the Feature menu, **Sleep Timer** will be the first selected option. Use **“◀”** or **“▶”** button to change the Sleep Timer val-

ues between **Off**, **0:15**, **0:30**, **0:45**, **1:00**, **1:15**, **1:30**, **1:45** and **2:00**.

If sleep timer is activated it is displayed with the TV status on the upper right of the screen.

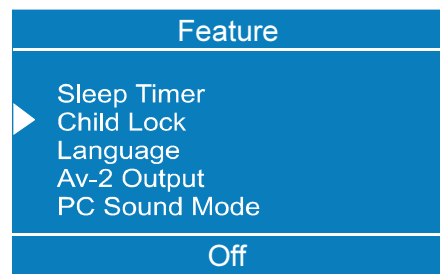


Once the time set with the sleep timer has elapsed, the set will go to standby.

Child Lock

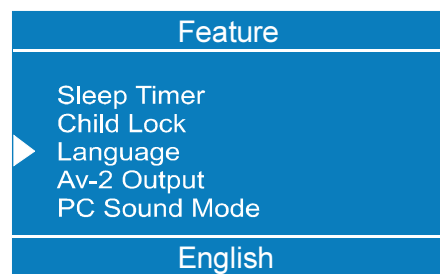
You can use this feature to prevent children turning on/off TV or changing programmes or adjustments etc. without remote control.

The **Child Lock** feature can be set **On** or **Off** by **“◀”** or **“▶”** button. When **Off** is selected, there will be no difference in the operation of your TV. When **On** is selected, the TV can only be controlled by the remote control handset. In this case the control panel **but-**
tons at the top of the TV will not work.



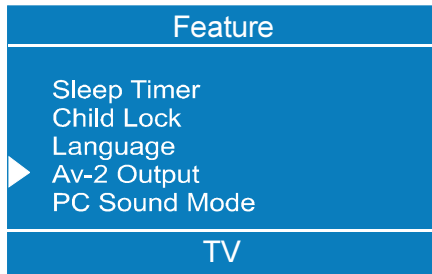
Selecting Menu Language

Menu language can be chosen by pressing **“◀”** or **“▶”** button on **Language** item.



Av-2 Output

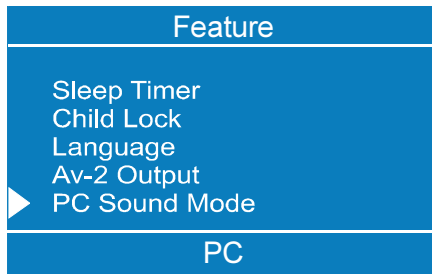
From Av-2 Output; TV, AV-1 or AV-3 can be given. TV, AV-1 or AV-3 can be chosen by pressing “◀” or “▶” button on "**Av-2 OUTPUT**".



PC Sound Mode

PC sound can be chosen by pressing “◀” or “▶” button on **PC Sound Mode** item.

You can select sound that comes from TV, AV-1, AV-2, AV-3 or PC to hear in PC mode.

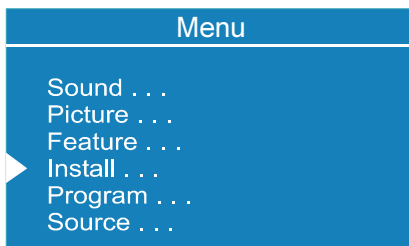


To Store Settings

In Feature menu all settings are stored automatically.

Installation Menu

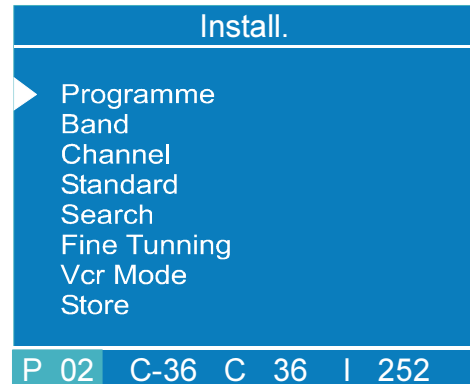
- To enter the Installation menu directly, press the Blue button, or
- Press "**M**" button, now you are in main menu. In the main menu, select "**Install.**" using “△” or “▽” button. Then enter the Install menu pressing “◀” / “▶” or “**OK**” button.



When any item is selected with “△” or “▽” button in the install menu, the selected item will be highlighted on the bottom bar. Changes by pressing “◀” or “▶” button will be result only at highlighted item on the bottom bar.

Selecting Programme

To select programme number, you can use “◀” or “▶” button, Digit Buttons or The Double Digit button with digit buttons.



Selecting Band

Band, can be chosen either,

- “C” or “S” by “◀” or “▶” button.

Selecting Channel

Channel can be changed by “◀” or “▶” button, by Digit Buttons or by the Double Digit button with digit buttons.

For band C,

01 - 83, *WEST EUROPE.*

01 - 12, 21 - 69, *EAST EUROPE .*

01 - 17, 21 - 73, *UK.*

01 - 76, *FRANCE.*

04 - 09, *FRANCE 2.*

For band S,

01 - 41, *for all channel tables.*

Selecting Standard

The "Standard" setting is fixed to "I". You cannot change this item's setting.

Selecting Search

To start the search process, press “▷” button for forward search or “◁” button for backward search. If a signal is found or reaches to end of the band after searching, press “◁” or “▷” buttons to continue search process. To stop the search process when you want, press “◁” or “▷” buttons again.

Selecting Fine Tuning

You can use the Fine Tuning process for fine adjustment (after coarse adjustment), if you are not happy about the image on the screen.

Use “◁” or “▷” button on **Fine Tuning** item, until getting the best image on the screen.

Normally the Fine Tuning cursor is placed next to the left side on the slider and this is indicated with one arrow.

Setting VCR (Video Cassette Recorder) Mode

- This item can be seen in **TV**, AV-1, AV-2, AV-3, S-VIDEO modes.
- If you want to watch a **VCR** source from one of these modes, then it will be better to set **VCR** mode “on”. For this, while the cursor is on this item press the “◁” or “▷” buttons to set it “On”.
- If you want to watch a **DVD** , then you must set this item “off”; because **DVD** is not a source like a **VCR** and to see the picture better, you must set the **VCR** mode “Off”.

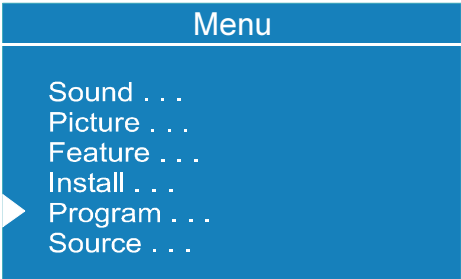
To Store Settings

- Press “OK” button on the remote control to store the settings directly.
- or,
- Press “◁”, “▷” or “OK” button on **Store** option to store Install menu settings.

Programme Menu

- To enter Programme menu directly, press the “i” button in TV mode, or
- Press “M” button, now you are in main menu. In the main menu, select “Program.”

using “△” or “▽” button. Then enter the Programme menu, press “◁” / “▷” or “OK” button.



Moving cursor to four direction you can reach 20 programmes in the same page. By scrolling the pages up or down by pressing the navigation buttons you can select all the programmes in TV mode (except the AV mode).

By cursor action, programme selection is done automatically. **It is also possible to select programme** by using digit or double-digit button. In this way programme selection **is also automatic**. The TV Status is changed by the programme selection too. When using double-digit button in order to select a programme, the Programme Number in TV Status OSD is displayed in "P --" form, and by pressing digit buttons they are displayed in it.

Programme Number is between 00 and 99. Programme Name has a name string with 4 characters. After autostore process the Programme Names are set to:

- Channel search "**C-01**" or "**S-01**" (band and channel number) or name of the tuned channel if defined.

Program.		P 02
01	C-01	11 ----
▶ 02	C-02	12 ----
03	C-03	13 ----
04	C-04	14 ----
05	S-01	15 ----
06	S-02	16 ----
07	----	17 ----
08	----	18 ----
09	----	19 ----
10	----	20 ----
Name		Insert
Delete		Autostore

At the bottom of the menu there is a programme sort functions section. Each function is activated by **coloured** button (seen above). **Name** allows changing the programme name. By **Delete** you can delete programmes that you **do not require**. **Insert** section is for inserting programmes into another programme spaces. By selecting **Autostore** section, Autostore menu will be available.

Name:

To change the name of a programme, select the programme and then press the **RED (Name)** button. The first letter begins to blink on the selected name. To change that letter “△” or “▽” button can be used, and to select the other letters, “◀” or “▶” button can be used. If the cursor is at the last letter of the Programme Name, pressing “▶” button moves the cursor at the beginning. On the contrary, if the cursor is at the beginning of the Programme Name, pressing “◀” button moves the cursor at the end.

After changing the name press the **RED (Store)** button. After activating the name process the “**Insert**”, “**Delete**” and “**Autostore**” processes will be inactive and “**Cancel**” option will be valid. If you do want to store the new name, press the **BLUE (Cancel)** button.



Insert:

When the **Green (Insert)** button is pressed, “**Name**”, “**Autostore**” and “**Delete**” functions are erased, the selected programme (A) is displayed with an arrow. From now on, the automatic selection is **cancelled**. With navigation buttons, the decided programme space (B) can be selected and by pressing the green button again, **the selected programme will be inserted**.

Press **Blue** button to activate “**Cancel**” function of “**Insert**” process.

Delete:

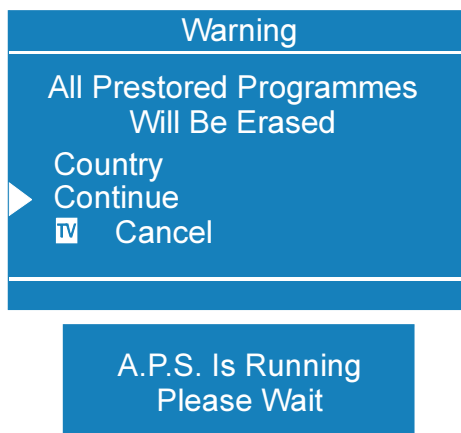
To start the “**Delete**” process, press the **yellow “Delete”** button, (“**Name**”, “**Insert**” and

“**Autostore**” functions are inactive). Pressing yellow button again erases the selected programme from the programme list, and the programmes below shift one up. Pressing **Blue** button cancels the activated “**Delete**” process.

Autostore:

To enter Autostore menu, **press the blue** button. To learn the features of this function see “**Autostore**” below.

Autostore, searches and stores all channels automatically on your TV, according to the transmission of programme systems in your area.



First of all choose the “**Country**” by using “◀” or “▶” button.

To cancel **Autostore** before starting, press “**TV**” button. To select “**Continue**” use “△” or “▽” button and press “◀” or “▶” button.

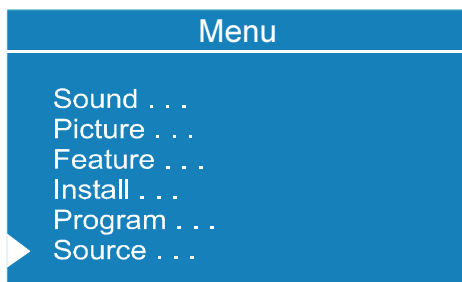
After Autostore is finalized, a programme list will appear on the screen. In the programme list you will see the programme numbers and names assigned to the programmes.

If you do not accept the locations and/or the programme names of programmes, you can change them in Programme menu.

Source Menu

You can switch your TV to AV modes by pressing **directly “AV”** button or by selecting in source menu from the main menu.

While in AV mode, you can also switch your TV to TV or other AV modes by selecting in source menu from the main menu.



In main menu, firstly use “△” or “▽” button then use “◀” / “▶” or “OK” button to enter Source menu. In source menu, move the cursor by “△” or “▽” button and then press “OK” button or “◀” or “▶” buttons when the cursor is on the required item. The selected mode comes automatically on the screen.




Other Features

TV Status

Programme Number, Programme Name (or **AV**), (they are displayed on the upper left of the screen) and **Sleep Timer** (shows the time left on the upper right screen if enabled). The **sound indicator** and **picture mode** are displayed with them too. They are displayed after programme change for 3 seconds.

P 01 Programme Number

PR 01 Programme Name (4 characters)

These OSD's are displayed when a new programme is entered by digit button or by pressing “P<P”, “-P/CH”, “P/CH+”, “TV”, “AV” or “” button.

Programme Swap (P<P)

This button is used to go to the previously entered programme again. Pressing “P<P” consecutively allows to swap into two last entered programmes.



Double-digit (- / - -)

This OSD is displayed when the "Double-Digit" button pressed in place of the programme number indicator.

P - -

In order to enter a two digit programme number you must push both numbers within 3 seconds. If the second number is not entered within 3 secs the display will disappear.

Personal Preferences (PP)

All the preset values will be restored, when pressing “PP”.

PP

Sound Indicator

The alternatives of the indicator are Mono, Stereo, Dual I and Dual II. This indicator is displayed under the programme number indicator on the screen. “I-II” button is used to select Mono or Stereo, or Dual I or Dual II.

Mono

In Mono broadcast or in forced-mono (for stereo broadcast).

Stereo

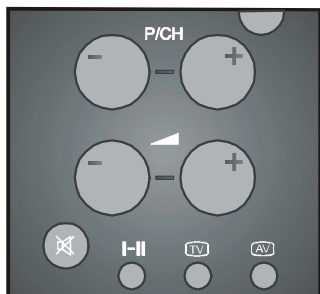
In Stereo broadcast.

Dual - I



If dual broadcast detected. Dual I is selected in default and also can be selected after Dual II by Remote Control.

Dual - II


If Dual II selected by Remote Control.



Picture Mode

Picture mode OSD is displayed when “” button is pressed. Picture mode can be changed to **Auto, 4:3, 16:9, Cinema, Subtitle, Zoom or Panorama** by pressing “” button.

Sleep Timer Indicator

It is displayed on the upper right of the screen when a new programme is entered by digit button or by pressing “P<P”, “-P/CH”, “P/CH+”, “TV”, “AV” or “” button. If sleep timer is activated it is displayed with the TV status and erased with it after 3 seconds.


Once the time set with the sleep timer has elapsed, the set will go to standby.

0:15

Mute Indicator

It is placed in the upper middle of the screen when enabled, and it stays there until it is disabled.



To cancel mute, there are two alternatives; the first one is pressing “” button, the volume is set to the preceding value. The second one is increasing the volume level, whereby it starts at the minimum level to increase. By decreasing the volume level in mute state, mute will not be ignored, only the volume level will decrease. If mute is cancelled after decreasing the volume level, the volume will be set the decreased level.

No-Signal Detection (TV)


If no valid signal detected, it takes 5 minutes for the set to switch to Standby mode unless a signal is detected or a command is received from the remote control.

After a Remote Control command (if No-Signal Timer is active) the timer stops and if no signal detected again the timer is initialized to 5 minutes and starts 3 seconds later again to count down.

It is not valid in AV mode.

4:31



No-Signal Detection (PC)

If no valid signal detected for 5 minutes system goes to Stand-By mode. To switch on the system press “” button.

No input signal detected

As the last status feature, system starts from TV or PC, whichever was the status before stand-by or switch-off. Note that SCART inputs have the precedence on both TV and PC.

Volume Bar

It is displayed in the lower middle of the screen. When a volume command is received (pressing “ +” or “ -” by Remote Control or Control panel at the top of the TV) and no menu is active, it stays on the screen for 3 seconds, after the last volume command or until another command is received in between.



AV Modes

By pressing the “AV” button you can switch your TV to AV modes (except being in Teletext). Pressing this button will consecutively switch the TV in one of the optional AV modes: AV-1, AV-2, AV-3, S-VIDEO, PC.

In order to quit the AV mode press the “TV”, digit buttons or “-P/CH” or “P/CH+”.

Signal Out Of Range

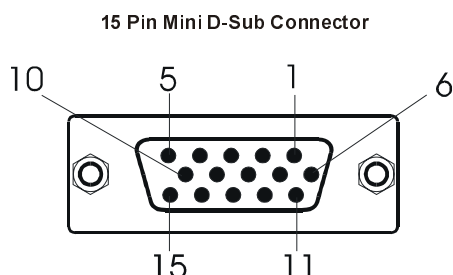
When the PC input signal is not supported by LCD-TFT TV, a message is displayed like “Signal out of range” and screen is blanked.

Signal out of range

PC MODE

Installation

- Power off both Computer and Display before making any connections.
- **Connect one end of the optional 15 pin signal cable to the 15 pin connector on the PC and the other end to the 15 pin socket on the TV.**



- Tighten the screws of the Display cable until the connectors are fastened securely (finger-tighten only).
- If you are using Windows operating system running on a PC with a Microsoft Plug & Play compatible video card, your system will select the appropriate timing for your monitor.

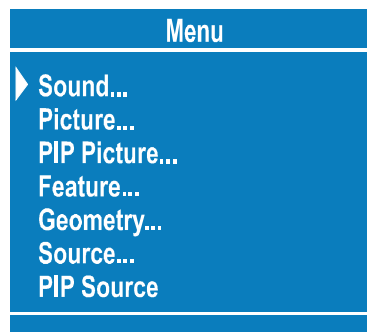
Switching from TV to PC

Press “PC” button to switch directly PC mode.



Main Menu in PC mode:

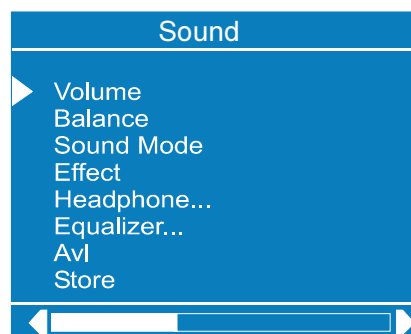
Enter the main menu by pressing the “M” button on the remote control.



Sound Menu

In the main menu select “Sound” using “△” or “▽” button then enter the Sound menu pressing “◀”, “▶” or “OK” buttons.

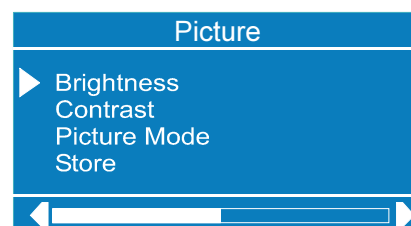
The items in this menu are described at Sound menu starting page 11.



Picture Menu

In the Main menu, select “Picture” using “△” or “▽” button, then enter the Picture menu pressing “◀”, “▶” or “OK” buttons.

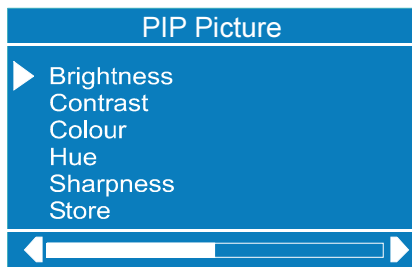
All adjustment in this menu except Picture Mode is identical to adjustment defined TV picture menu starting on page 13. Picture Mode can be set to **Auto**, **4:3** and **16:9** in PC mode.





PIP Picture

In the Main menu, select “PIP Picture” using “△” or “▽” button, then enter the PIP Picture menu pressing “◀”, “▶” or “OK” buttons.

This menu is displayed when PIP is displayed on the screen and otherwise “PIP No Signal” message will be displayed at the bottom of menu.

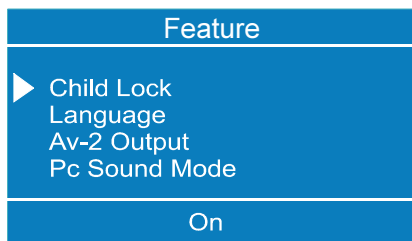


PIP picture is displayed on the screen with “” button. By pressing “OK” button, PIP window is selected and border of the PIP window becomes green. PIP position is changed by “◀” / “▶” button. There are six different PIP positions. PIP size is decreased by “▽” button and increased by “△” button. Three different PIP size are available. Programme in the PIP window is increased / decreased by “P/CH+” / “-P/CH” buttons. AV mode is also available in PIP window. Digit buttons are inactive for PIP window. PIP window is removed from the screen by “” button.

Feature Menu

In the main menu select “Feature” using “△” or “▽” button then enter the Feature menu pressing “◀”, “▶” or “OK” buttons.

The items in this menu are described at Feature menu starting page 15.



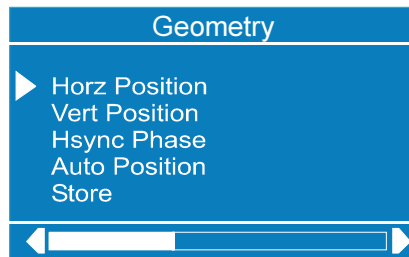
PC SOUND MODE:

This item selects the sound source for PC mode. But when the PIP is displayed and highlighted in green border, sound switches to whatever is displayed in the PIP. Whenever you close the PIP or make the PIP bor-

der blue again by disselecting the PIP, sound switches back to PC Sound Mode.

Geometry Menu

In the Main menu, select “Geometry” using “△” or “▽” button, then enter the Geometry menu pressing “◀”, “▶” or “OK” buttons.



Adjust the required horizontal or vertical position or Hsync Phase by “◀”, “▶” buttons.

You can make position adjustment directly by Auto position.

Select Auto position by “△” or “▽” buttons and press “◀” or “▶” button.

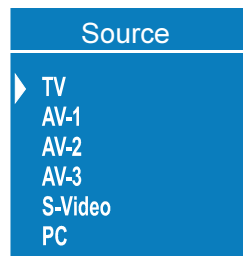
“Please wait” is displayed at the bottom of the menu. After a few seconds screen geometry is adjusted automatically.

Warning: Auto position adjustment recommended to be done with the full screen image for the proper adjustment.

To store this menu setting select “Store” by “△” or “▽” buttons and then press “OK” button, “Stored” will be displayed for few seconds at the bottom of menu.

Source Menu

In the Main menu, select “Source” using “△” or “▽” button, then enter the Source menu pressing “◀”, “▶” or “OK” buttons.

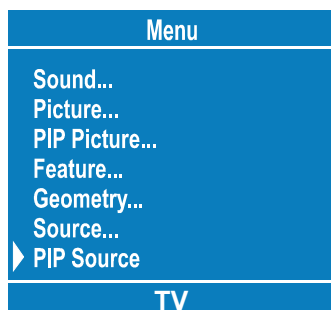


Select the available sources of TV, Av-1, Av-2, Av-3, S-Video or PC by pressing “◀”, “▶” or “OK” buttons.

PIP Source Menu

This menu is available when the PIP displayed.

In the Main menu, select “**PIP Source**” using “ \triangle ” or “ ∇ ” button, then select the any available source of TV, AV-1, AV-2, AV-3 or S-Video pressing “ \triangleleft ”, “ \triangleright ” then “**OK**” buttons.




Teletext

Teletext is an information system that displays text on your TV screen. Using the Teletext information system you can view a page of information on a subject that is available in the list of contents (index).

On screen display is not available in text mode.

Contrast, brightness or colour control is not available, but volume control is available in text mode.

To operate Teletext

- Select a TV station on which Teletext is being transmitted.
- Press (TELETEXT) “” button. Usually the list of contents (index) is displayed on the screen.



To select a page of Teletext


- Press the appropriate digit buttons for the required Teletext page number.

The selected page number is displayed at the top left corner of the screen. The Teletext page counter searches until the selected page number is located, so that the desired page is displayed on the screen.






- Press “**P/CH +**” button to move the Teletext screen forward one page at a time.
- Press “**- P/CH**” button to move the Teletext screen backward one page at a time.



To Select Index Page

- To select the page number of the index (generally page 100), press “” button.

To Select Double Height Text



- Press “” button for the top half of the information page to be displayed in double height text.
- Press “” button again for the bottom half of the information page to be displayed in double height text.
- Press “” button once more for the full page of normal height text.

To Reveal “concealed” Information

- Pressing “” button once will reveal answers on a quiz or games page.
- Pressing “” button again will conceal the revealed answers.




To Stop Automatic Page Change

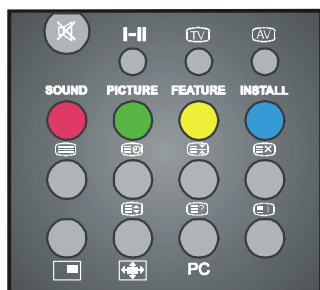
The teletext page you have selected may contain more information than what is on the screen; the rest of the information will be displayed after a period of time.

- Press “” button to stop the automatic page change.
- Press “” button again to allow the next page to be displayed.

To Select a Subpage

Subpages are subsections of long Teletext pages that can only be displayed on the screen one section at a time.

- Select the required Teletext page.
- Press “” button.
- Select the required **subpage** number by pressing four digit buttons (e.g. 0001).
- If the selected **subpage** is not displayed in a short time, press “” button. TV programme will be displayed on the screen.
- Teletext page number will be displayed on the upper left corner of the screen when the selected page is found.
- Press “” button to display the selected Teletext page.



Fastext

(This is applicable if your TV is equipped with FASTEXT feature)

Your TV supports the 7 page Teletext system. When the page number of any of the 7 pages in memory is entered, the system will not search for the requested page; instead it will display the page automatically.

- Press “**P/CH +**” button to move the Teletext screen forward one page at a time.


- Press “**- P/CH**” button to move the Teletext screen backward one page at a time.

For Fastext



The subject-heading for the information may have a particular colour.

- Press an appropriate **Red, Green, Yellow or Blue** button in order to reach the relevant page quickly.

To exit Teletext

- Press “**TV**” or “” button. The screen will switch to TV mode.

To Display the Time

- While watching a TV programme with Teletext transmission press “” button. The current time information, captured from Teletext will be displayed at the upper right of the screen until the “”, “**AV**” or “**M**” button pressed.
- If the programme being watched does not have Teletext transmission, no information will be displayed.

Peripheral Equipment Connections

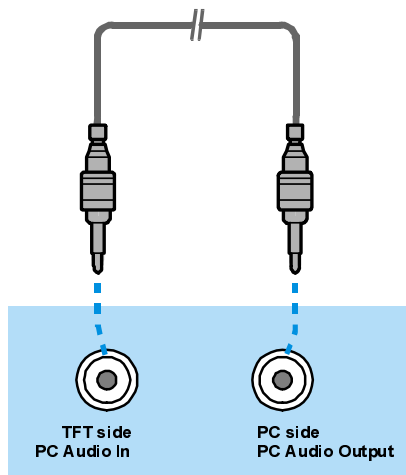
There is a wide range of audio and video equipment that can be connected to your TV.

Connection diagrams at the end of this section show you where the different equipment should be connected at the back side of the TV.

PC Sound Connection

- Connect the PC Audio output to the TFT **PC Audio In** socket with stereo connection cable.
- In the main menu select "Feature" using “**△**” or “**▽**” button then enter the Feature menu pressing “**◁**”, “**▷**” or “**OK**” button. Come on "PC Sound Mode" using “**△**” or “**▽**” button and select **PC** from the TV, AV-1, AV-2, AV-3 and PC options using “**◁**”, “**▷**” or “**OK**” button.

- **Source** also should be selected as **PC** in the main menu.



Via the Euroconnector

Your TV set has 2 Euroconnector sockets. If you want to connect peripherals (e.g. video, decoder, etc.) which have Euroconnectors, to your TV, use **SCART** input.

If an external device is connected via Euroconnector sockets TV is switched to AV mode automatically. In this case if both sockets are connected SCART-1 has the precedence.

In AV mode if you press the “**Ei**” button the TV status OSD is displayed on the screen.

Via **Aerial** Input

If you want to connect to your TV, peripherals like video recorders or decoders, but the device you want to connect does not have Euroconnector, you should connect it to the **Aerial** input of your TV set.

If the VCR is connected via **aerial** input it is suggested to use the Programme 0.

Decoder

Cable TV offers you a wide choice of programmes. Most of them are free, others are to be paid for by the viewer. This means that you will need to subscribe to the broadcasting organisation whose programmes you wish to receive. This organisation will supply you a corresponding decoder unit to allow the programmes to be unscrambled.

For further information ask your dealer. See also the booklet supplied with your decoder.

Connect a decoder with an aerial socket to the TV

- Connect the aerial cable.

Connect a decoder without an aerial socket to the TV

- Connect the decoder to your TV with a eurocable (RCA Jack Cable) to **EXTERNAL** (RCA Jack) (optional). When your decoder has a Euroconnector / RCA Jack you can obtain better picture quality if you connect a eurocable (RCA Jack Cable) to **EXTERNAL** (RCA Jack) (optional).

TV and Video Recorder

- Connect the aerial cables.

Better picture quality can be obtained if you also connect a eurocable to **EXTERNAL socket (optional)**.

Playback NTSC

Connect NTSC VCR player to one of two Euroconnectors at the back of the TV.

Then, press “**AV**” button to select AV-1 or AV-2.

Search for and store the test signal of the video recorder

- Unplug the aerial cable from the aerial socket “**Aerial**” of your video recorder.
- Switch on your TV and put the video recorder on the test signal. (See the handbook for your video recorder.)
- Search for the test signal of your video recorder in the same way as you searched for and stored the TV signals. See Install, Search and Store TV channels. Store the test signal under programme number 0.
- Replace the aerial cable in the aerial socket “**Aerial**” of your video recorder once you have stored the test signal.

Camera and Camcorder

To connect to (AV-3) input

Connect your camera or camcorder at the **rear** side of your TV.

- Connect your equipment to the TV via **VIDEO** (yellow), **AUDIO R** (red) and **AUDIO L** (white) inputs. You should connect the jacks to the input in the same colour.

Connect the decoder to the video recorder

Some video recorders have a special euroconnector for decoder.

- Connect a eurocable to the euroconnector of your decoder and to the special euroconnector of your video recorder. See also the handbook of your video recorder.
- To connect your video recorder to the TV, see TV and Video Recorder section.

If you want to connect more equipment to your TV, consult your dealer.

Connecting Headphones

Use the stereo headphone socket on the **rear** side of your TV, to connect headphones.

Connecting the PC

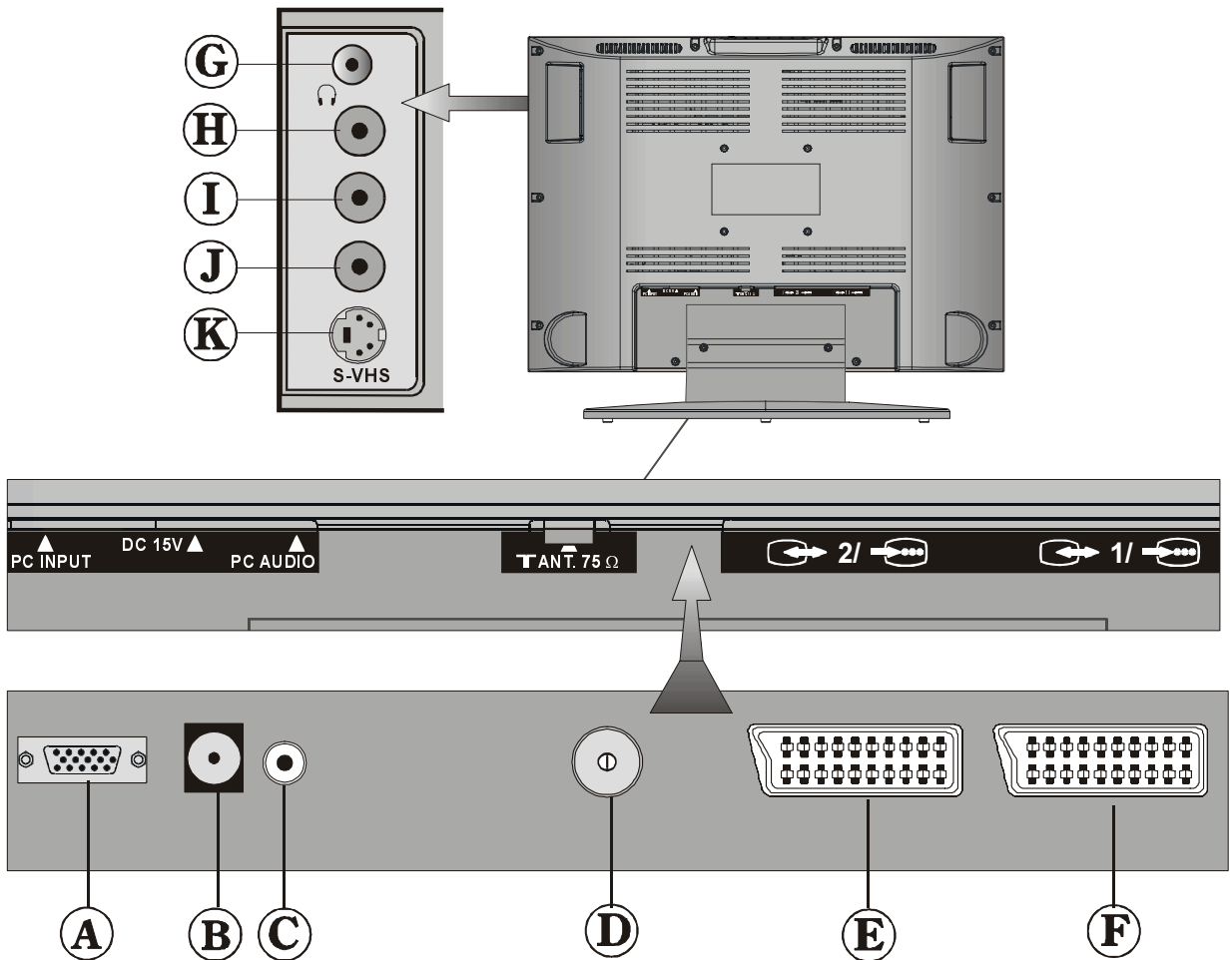
Connect PC monitor with 15-pin PC cable to the 15-pin connector on the rear of the computer. For detail installation procedure see **Installation** in PC mode.

To connect to S-Video input

Connect your camera or camcorder at the **rear** side of your TV.

- Connect your equipment to the TV via S-Video input at the back side by using S-Video cables.

Peripheral Equipment Connections



Ⓐ PC INPUT

Ⓑ DC 15 V $\ominus \text{---} \oplus$

Ⓒ PC AUDIO INPUT

Ⓓ AERIAL

Ⓔ SCART SOCKET 2 (AV-2)

Ⓕ SCART SOCKET 1 (AV-1)

Ⓖ HEADPHONE

Ⓗ AUDIO INPUT (L)

Ⓘ AUDIO INPUT (R) } (AV-3)

Ⓙ VIDEO INPUT

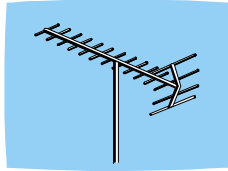
Ⓚ S-VIDEO INPUT

AERIAL Connections

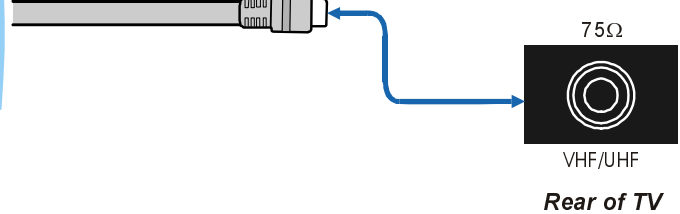
Outdoor Aerial Connections

VHF Aerial

Method 1

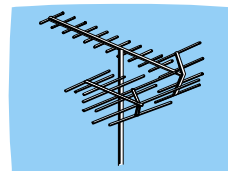


Round 75 ohm coaxial cable

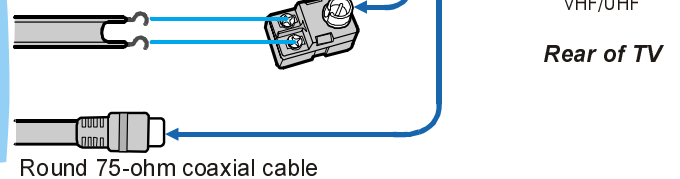


VHF/UHF Aerial

Method 2



Flat 300-ohm twin lead cable

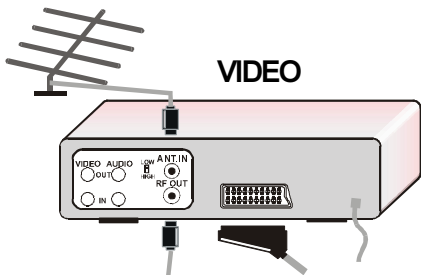


Peripheral Equipment Connections

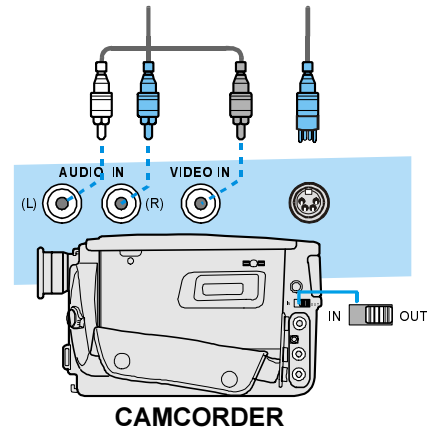
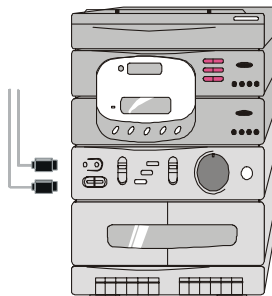
HEADPHONE
(optional)



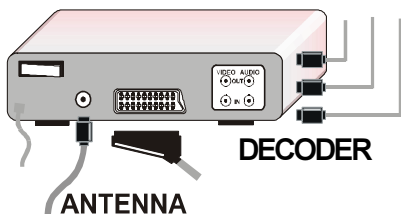
VIDEO



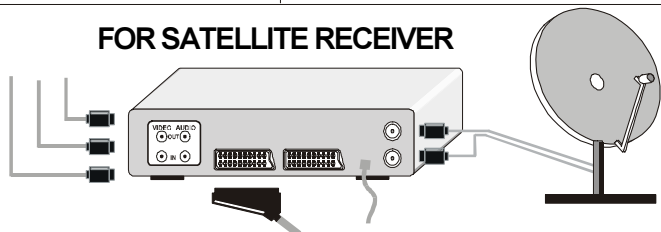
AUDIO



DECODER



FOR SATELLITE RECEIVER



PC INPUT TYPICAL DISPLAY MODES

The display has a maximum resolution of 1280 x 720, vertical sync. frequency range of 50-75 Hz and a horizontal sync. frequency range of 30-69 KHz.

The following table is an illustration of some of the typical video display modes.

Mode	Resolution		Frequency		Sync. Polarity	
	Horizontal	Vertical	Hor. (kHz)	Ver. (Hz)	Hor.	Ver.
1	640	400	31.5	70	-	+
2	640	480	31.5	60	-	-
3	640	480	37.9	72	-	-
4	640	480	37.5	75	-	-
5	720	400	31.5	70	-	+
6	800	600	35.2	56	+	+
7	800	600	37.9	60	+	+
8	800	600	48.1	72	+	+
9	800	600	46.9	75	+	+
10	1024	768	48.4	60	-	-
11	1024	768	56.5	70	+	+
12	1024	768	60.0	75	+	+
13	1280	720	44,8	60	-	+

Tips

Care of the Screen

Clean the screen with a slightly damp, soft cloth. Do not use abrasive solvents as they may damage the TV screen coating layer

Colours of image on screen are abnormal

For TV :

Have you selected the correct TV system? Is your TV set or house aerial located too close to the loudspeakers, non-earthed audio equipment or neon lights, etc. ?

Mountains or high buildings can cause double pictures or ghost images. Sometimes you can improve the picture quality by changing the direction of the aerial.

Is the picture or Teletext unrecognisable? Check if you have entered the correct frequency.

The picture quality may degrade when two peripherals are connected to the TV at the same time. In such a case, disconnect one of the peripherals.

For Monitor :

- Check that Video (Signal) Cable from the Display has been securely and correctly connected to the 15-pin Video Connector on the rear panel of the Computer.
- If you have used an adaptor to convert the 15-pin Video (Signal) Cable Connector from the Display to fit the connector on the rear of the Computer, check the pin assignment of the Display.

No Image on Display Screen

For TV :

Is the aerial connected properly? Are the plugs connected tightly to the aerial socket? Is the aerial cable damaged? Are suitable plugs used to connect the aerial? If you are in doubt, consult your dealer.

No Image means that your TV is not receiv-

ing any transmission. Have you pressed the correct buttons on the remote control? Try once more.

For Monitor :

- Check that power cord of the Display has been connected securely into wall outlet or grounded extension cable or strip.
- Display is equipped with electronic power switch, it will remain power-off in case of any power failure. It is necessary to push power switch again to power-on the display. Check that LED on front of display is green.
- Check that Video (Signal) Cable from the Display has been securely and correctly connected to the 15-pin Video Connector on the rear panel of the Computer.
- Check that Video Card is firmly seated in card slot of Computer motherboard.
- Check that the Brightness and/or the Contrast adjustments of the Display have not been turned down to minimum levels.

Sound

You can not hear any sound. Did you perhaps interrupt the sound, pressing "X" button? Are external speakers connected to the TV?

Sound is coming from only one of the speakers. Is the balance set to one direction extreme? See **Sound** menu.

Remote Control

Your TV no longer responds to the remote control. Press the "TV" button on the remote control once more. Perhaps the batteries are exhausted. If so you can still use the buttons on the control panel at the top of your TV.

Have you selected the wrong menu? Press "TV" button to return to TV mode or press "M" button to return to the previous menu.

No solution:

Switch your TV set off and on. If this does not work, call the service personnel; never attempt to repair it yourself.

Specifications

TV BROADCASTING

PAL SECAM B/G L/L'

RECEIVING CHANNELS

VHF (BAND I: CH2-4, BAND III: CH5-12)

UHF (CH21-69)

CABLE CHANNEL (S1-S41)

Input Signal

Video: Analog 0.7 Vp-p 75 ohm positive

Sync: TTL Level positive or negative,
Separate sync.

Horizontal Timing 30 - 69 KHz

Vertical Timing 50 - 75 Hz

Dot Rate

78.75 MHz max.

Video Cable/Input Connector

15 pin mini D cable

PANEL

Size : 22" (56 cm) diagonal

Displayable Resolution

1280 x 720 maximum

Non-interlaced

Active Display Area

487,68 mm horizontal x 274,32 mm Vertical

NUMBER OF PRESET CHANNELS 100

CHANNEL INDICATOR

On Screen Display

RF AERIAL INPUT

75 Ohm (unbalanced)

OPERATING VOLTAGE

For adaptor: 100-240 V AC, 50-60 Hz.

For TV : 15 V DC

AUDIO

German + Nicam Stereo

AUDIO OUTPUT POWER

2 x 3 W_{RMS} (%10 THD)

POWER CONSUMPTION (W) (max.)

94

Dimensions (WxHxD)

W 570 mm.

H 463 mm.

D 240 mm.

Weight 9.6 Kg.

Compliance:

CE, MPR II Low Emissions, ISO-9001.

ISO 13406-2

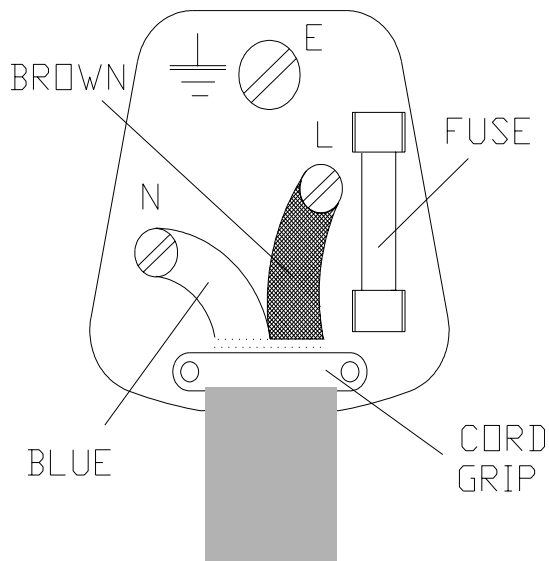
Pixel fault class: Class II

Important Instruction

For your own safety read following instruction carefully before attempting to connect this unit to the mains.

MAINS (AC) OPERATION

The wires in this mains lead are coloured in accordance with the following code :



BLUE-NEUTRAL

BROWN-LIVE

IMPORTANT

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

No connection is to be made to the earth terminal of the plug.

If a 13 Amp (BS 1363) Plug is used a 5 Amp Fuse must be fitted, or if any other type of Plug is used a 5 Amp Fuse must be fitted, either in the Plug or Adaptor, or on the Distribution Board.

CAUTION

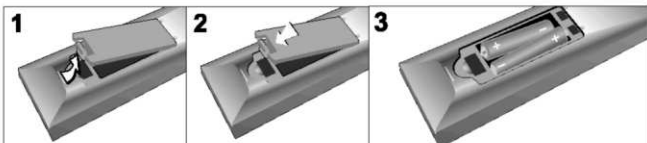
TO PREVENT ELECTRIC SHOCK DISCONNECT FROM THE MAINS BEFORE REMOVING COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

SAFETY PRECAUTION

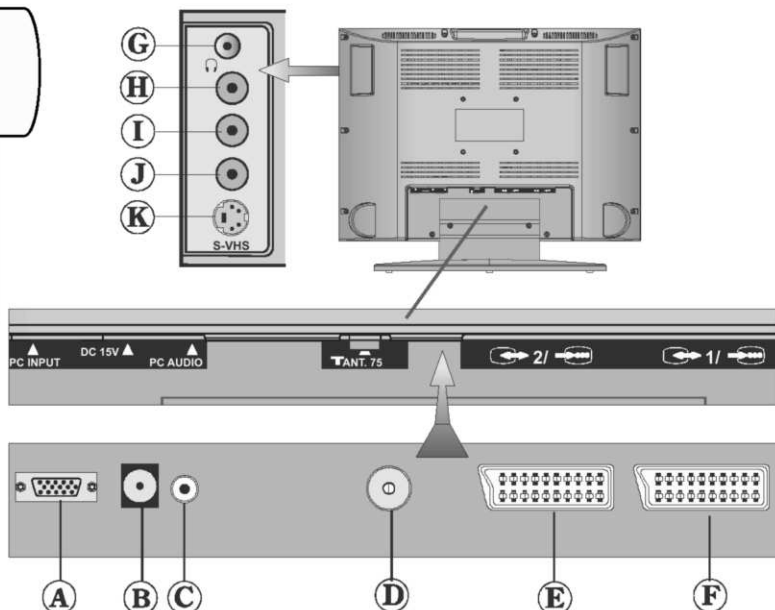
THIS EQUIPMENT MUST BE DISCONNECTED FROM THE MAINS WHEN NOT IN USE. DO NOT ALLOW THIS UNIT TO BE EXPOSED TO RAIN OR MOISTURE.

IMPORTANT - If placing TV into cabinet or alcove, ensure there is at least a 100mm (10cm) gap to the sides, rear and top of the TV. This is to allow for adequate ventilation during operation. Please read the main Users Guide for more safety information before installation.

1 insert the batteries into your handset

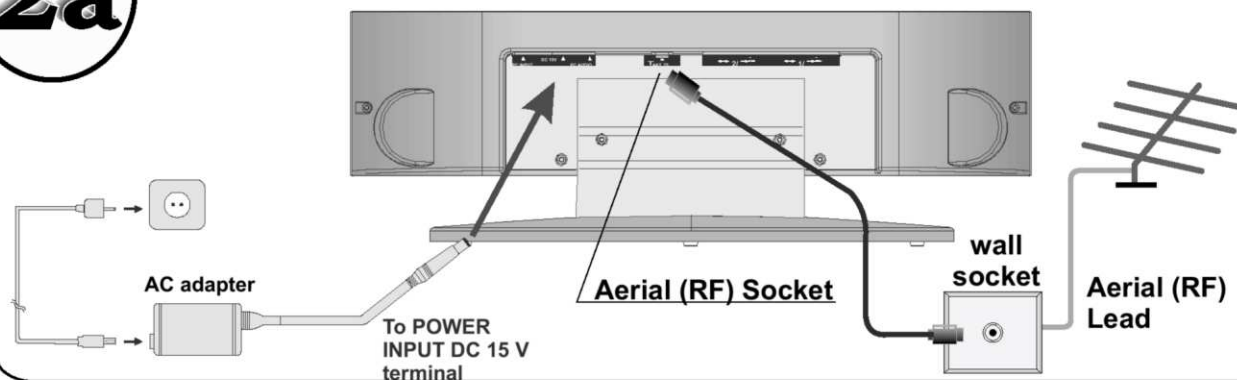


- | | |
|-------------------------|--------------------------|
| Ⓐ PC INPUT | Ⓔ HEADPHONE |
| Ⓑ DC 15 V | Ⓕ AUDIO INPUT (L) |
| Ⓒ PC AUDIO INPUT | Ⓖ AUDIO INPUT (R) (AV-3) |
| Ⓓ AERIAL | Ⓗ VIDEO INPUT |
| Ⓔ SCART SOCKET 2 (AV-2) | Ⓙ S-VIDEO INPUT |
| Ⓕ SCART SOCKET 1 (AV-1) | |



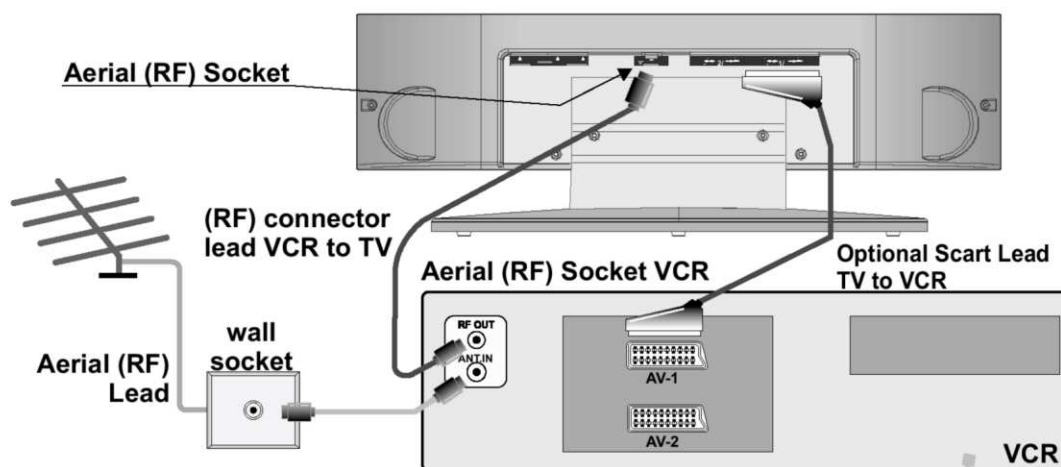
2a

either connect the aerial straight to your TV...

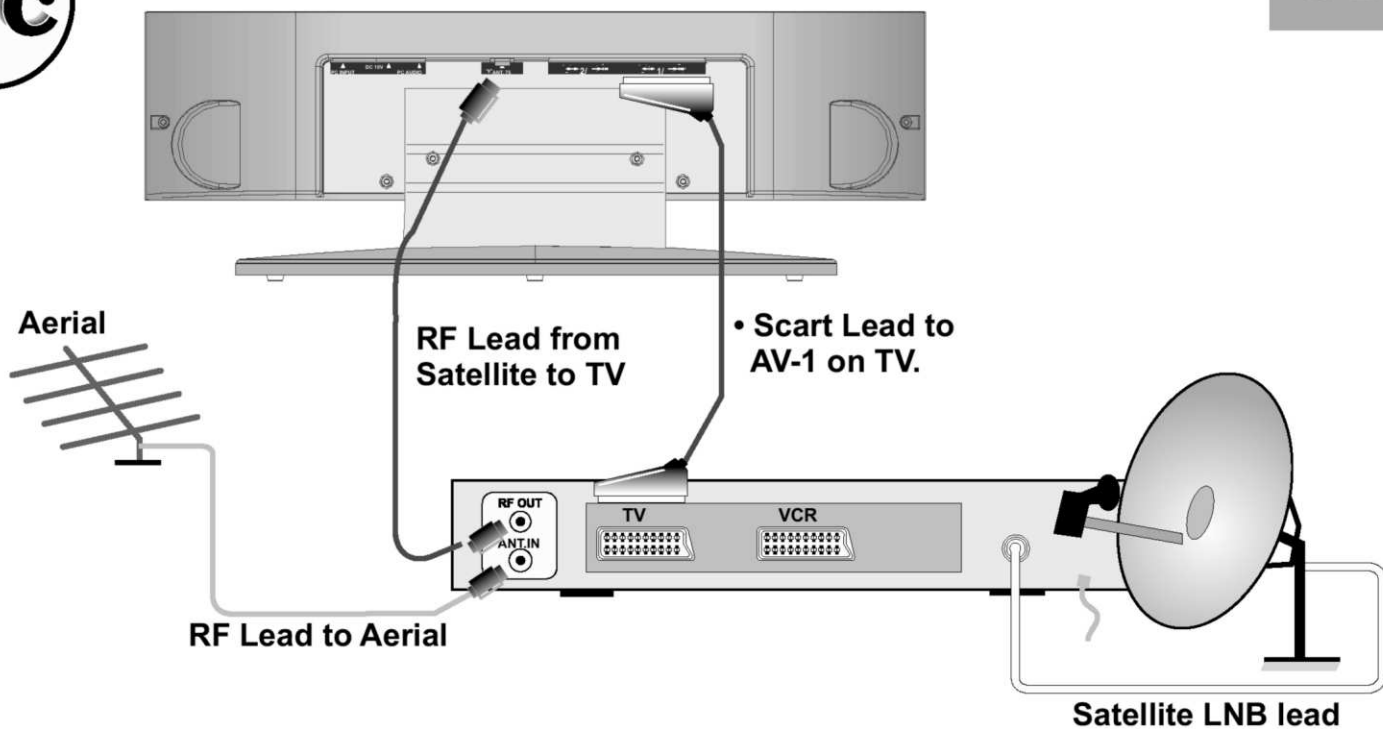
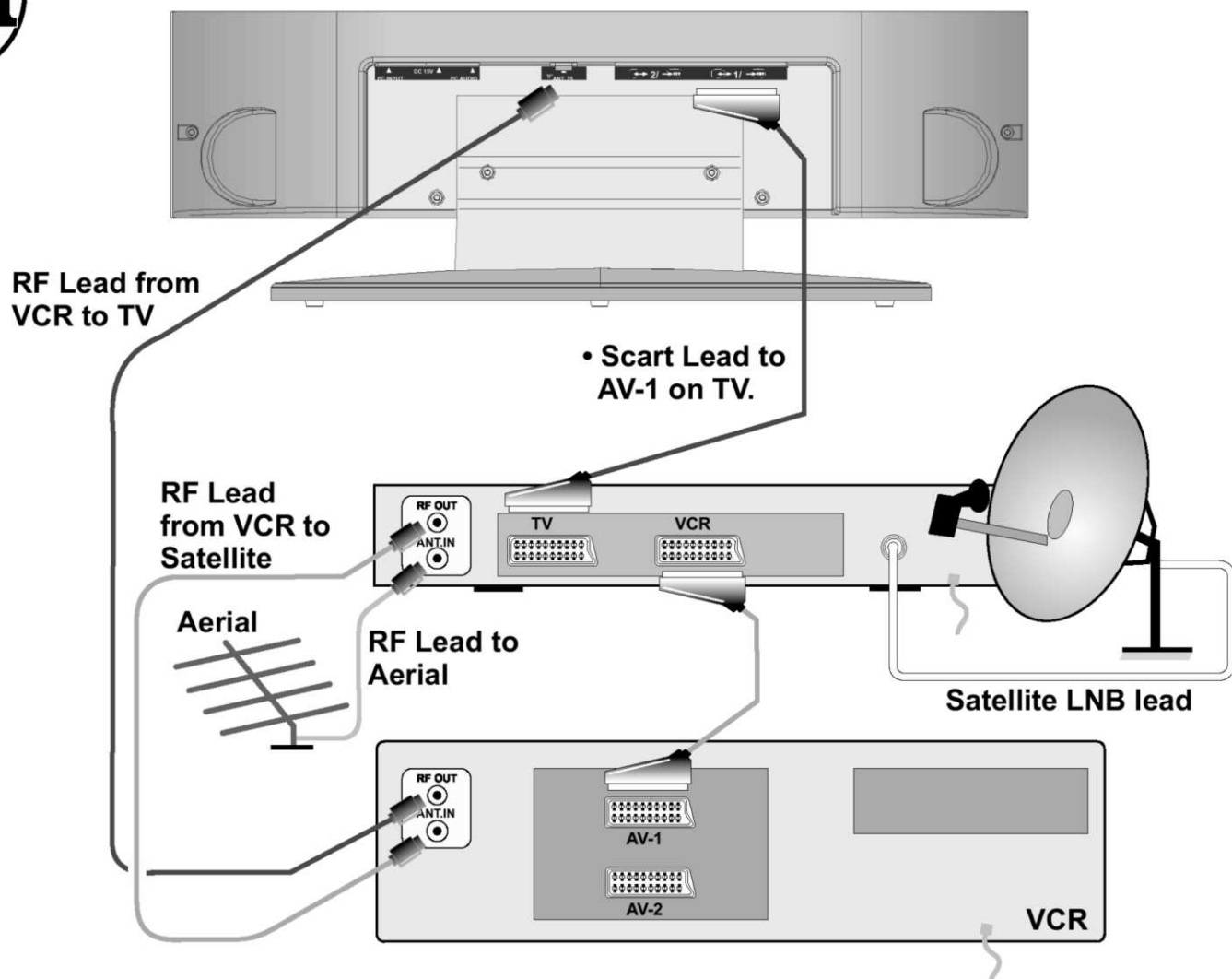


2b

...or connect the aerial through a VCR...

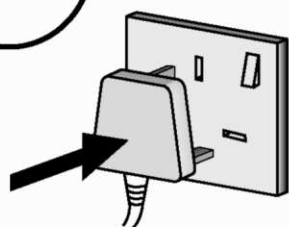


• It is recommended that a scart lead should be fitted between your TV and VCR to enhance your picture and sound quality. Scart leads are essential if you have a stereo TV and VCR and wish to obtain stereo sound from your equipment. These leads can be purchased from your Hitachi dealer or any good High Street electrical retailer.

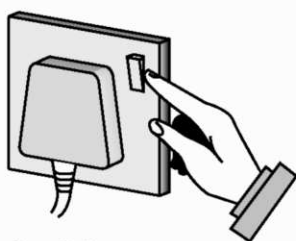
2c**...or through a satellite decoder...****GB****2d****...or through a VCR and satellite decoder.**

3**connect the TV plug to the mains socket**

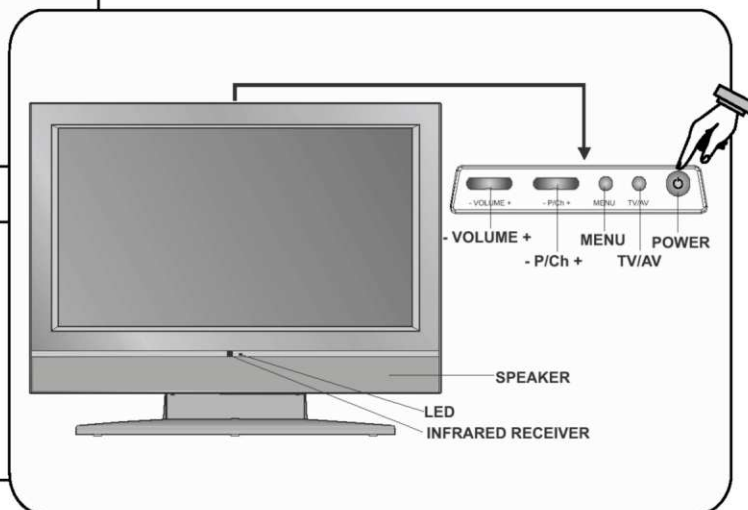
GB



insert plug...



...and switch on

**4****switch your TV on, ready to start Auto Setup procedure...**

To switch on the TV first press the "⏻" button on the TV, then press the "⏻" on the remote control...

handset controls used for television Auto Setup**cursor left**

This Button is used to move the menu selection box left or change a highlighted selection.

cursor down

Use this button to move the menu selection box down.

menu

Press this button to enter the main menu of the TV and again to exit the menu and return to normal TV operation.

**cursor up**

Use this button to move the menu selection box up.

**cursor right**

This Button is used to move the menu selection box right or change a highlighted selection.



important note before starting Auto Setup

If you have a Video Cassette Recorder or a Satellite receiver connected to your TV please ensure that they are switched on before automatic tuning begins. In the case of a VCR, insert a pre-recorded tape and begin playback of your equipment. These measures ensure that all your external equipment is tuned in during the Auto Setup procedure.

5

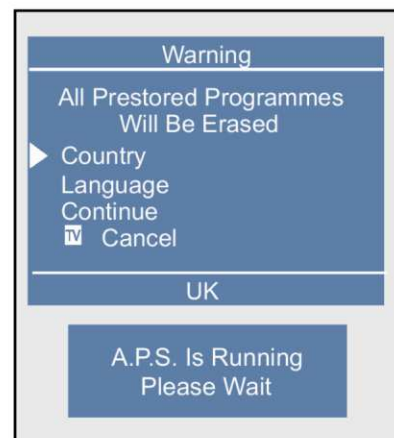
start Auto Setup procedure

1 First select the country by using the “◀” or “▶” buttons on the remote control.

2 Use the “Δ” or “∇” to select Language. Select the required language by using the “◀” or “▶” buttons on the remote control

3 Use the “Δ” or “∇” to select Continue. Start the "Continue" function by using “◀” or “▶” buttons on the remote control. You will see the message " A.P.S. is Running Please Wait". The set will tune in all available channels.

4 Press TV on the Remote Control to remove the menu and start viewing TV.



important note.

Once the TV has found all your local stations, they are then automatically assigned a programme number.

If you would like to change the programmes please refer to the Installation Menu section of the instruction book.

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